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USAFETAC/DS--91/245

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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

WRIGHT-PATTERSON AFB, OH

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

MAY 1991



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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: SEP 80 - AUG 90 (AIRWAYS).

SUMMARY OF DAY DATA: MAR 39 - AUG 90 (FULL TIME).

SUMMARY OF DAY DATA: OCT 37 - FEB 39 (PART TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		6.6	.2	19.5		26.2	16.3	1.2	1.2		44.9	930
03-05		7.6	.6	21.5		29.8	18.1	.9	1.2		49.9	930
06-08		7.3	1.4	18.7		27.4	24.1	1.6	.6		53.8	930
09-11		6.9	.8	15.3		22.9	25.9	4.2	1.3		54.3	930
12-14		6.1	.5	14.2		20.9	16.3	4.1	1.6		42.9	930
15-17		5.8	.8	13.8		20.3	12.5	3.3	2.0		38.2	930
18-20	.1	6.8	.5	14.6		21.9	12.6	2.4	1.7		38.6	930
21-23	.2	7.4	.8	18.2		26.3	14.5	1.7	.9		43.4	930
ALL HOURS	.0	6.8	.7	17.0		24.5	17.5	2.4	1.3		45.8	7440

MONTH: FEB

00-02		12.6	.6	13.5		26.7	17.4	1.1	.6		45.7	846
03-05	.4	12.9	.7	16.8		30.4	22.9	1.7	.4		55.3	846
06-08		10.9	1.2	15.7		27.8	27.9	2.5	.9		59.1	846
09-11		11.3	.8	13.8		26.0	27.9	4.4	1.1		59.3	846
12-14		10.5	.1	12.8		23.4	18.1	4.6	1.8		47.9	846
15-17		11.6	.2	13.1		24.9	16.5	5.0	2.2		48.7	846
18-20	.2	12.1	.4	9.8		22.2	15.1	3.0	1.8		42.1	846
21-23	.1	12.1	1.3	10.8		24.1	14.9	1.7	.5		41.1	846
ALL HOURS	.1	11.7	.7	13.3		25.7	20.1	3.0	1.2		49.9	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.5	12.7	.5	9.7		22.9	16.0	.3			39.2	930
03-05	.4	12.0	.6	9.7		22.4	16.8	.4		.1	39.7	930
06-08	.8	10.2	.9	8.0		19.0	22.0	2.3			43.3	930
09-11	.2	9.5	.4	6.0		15.9	20.2	3.9	.1		40.1	930
12-14		8.0		5.8		13.8	12.2	4.5	.1		30.5	930
15-17	.5	11.4	.2	6.1		17.7	10.3	3.8	.2		32.0	930
18-20	1.1	11.2	.4	6.6		18.2	11.4	1.7	.1		31.4	930
21-23	.9	11.8	.2	8.4		20.4	12.6	.1			33.1	930
ALL HOURS	.6	10.8	.4	7.5		18.8	15.2	2.1	.1	.0	36.2	7440

MONTH: APR

00-02	1.3	13.4		1.9		15.3	9.0	.4			24.8	900
03-05	1.7	13.6		2.7		16.2	13.7	.8			30.7	900
06-08	.7	13.2		2.3		15.6	23.7	3.4	.3		43.0	900
09-11	.3	11.7		2.1		13.8	11.6	2.2	.1		27.7	900
12-14	.1	9.7		1.1		10.8	5.8	2.0			18.6	900
15-17	1.7	10.0		1.3	.1	11.4	3.8	1.6			16.8	900
18-20	1.8	14.3		1.3		15.7	5.4	1.0			22.1	900
21-23	1.2	13.9		1.8		15.7	6.4	.8			22.9	900
ALL HOURS	1.1	12.5		1.8	.0	14.3	9.9	1.5	.1		25.8	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	2.3	13.0		.3		13.3	14.9	2.7			31.0	930
03-05	1.3	11.6				11.6	23.0	2.2			36.8	930
06-08	1.0	12.2				12.2	31.1	5.1			48.3	930
09-11	1.3	10.9				10.9	13.8	6.6			31.2	930
12-14	1.8	11.6				11.6	7.4	5.3			24.3	930
15-17	3.4	11.5				11.5	5.6	4.7			21.8	930
18-20	2.8	10.2				10.2	6.5	3.1			19.8	930
21-23	2.8	11.0				11.0	7.3	2.8			21.1	930
ALL HOURS	2.1	11.5		.0		11.5	13.7	4.0			29.3	7440

MONTH: JUN

00-02	1.7	5.8				5.8	13.2	9.0			28.0	900
03-05	1.3	7.0				7.0	28.8	9.9			45.7	900
06-08	.8	7.7				7.7	33.3	13.3			54.3	900
09-11	.4	6.4				6.4	12.6	17.3			36.3	900
12-14	1.3	6.3				6.3	3.6	15.9			25.8	900
15-17	3.4	7.6				7.6	3.1	13.9			24.6	900
18-20	4.0	6.0				6.0	3.0	12.0			21.0	900
21-23	2.8	4.9				4.9	7.0	7.7			19.6	900
ALL HOURS	2.0	6.5				6.5	13.1	12.4			31.9	7200

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.6	4.8				4.8	20.3	15.3			40.4	930
03-05	2.0	5.1				5.1	39.2	18.1			62.4	930
06-08	.9	7.2				7.2	48.4	23.2			78.8	930
09-11	1.2	6.0				6.0	12.7	21.7			40.4	930
12-14	1.3	4.6				4.6	4.4	17.6			26.7	930
15-17	4.2	7.1				7.1	3.0	19.7			29.8	930
18-20	3.7	5.3				5.3	4.5	18.6			28.4	930
21-23	3.9	5.4				5.4	7.8	16.3			29.6	930
ALL HOURS	2.3	5.7				5.7	17.6	18.8			42.1	7440

MONTH: AUG

00-02	1.4	4.1				4.1	21.4	16.9			42.4	930
03-05	1.2	4.3				4.3	36.7	15.2			56.1	930
06-08	1.1	4.8				4.8	52.6	18.5			75.9	930
09-11	1.2	5.8				5.8	16.8	28.9			51.5	930
12-14	1.1	5.2				5.2	4.7	24.7			34.6	930
15-17	2.7	5.3				5.3	3.7	27.6			36.6	930
18-20	2.5	4.3				4.3	4.5	23.7			32.5	928
21-23	1.4	2.9				2.9	7.6	19.2			29.7	927
ALL HOURS	1.6	4.6				4.6	18.5	21.8			44.9	7435

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	AL', PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.8	3.4				3.4	11.6	3.4			18.4	900
03-05	.4	6.3				6.3	26.0	2.8			35.1	900
06-08	.4	6.9				6.9	43.2	6.3			56.4	900
09-11	.6	5.9				5.9	18.6	11.1			35.6	900
12-14	.6	5.6				5.6	4.9	8.0			18.4	900
15-17	.9	4.6				4.6	2.3	6.0			12.9	900
18-20	1.9	4.8				4.8	3.7	5.1			13.6	900
21-23	1.6	5.3				5.3	4.4	3.2			13.0	900
ALL HOURS	.9	5.3				5.3	14.3	5.8			25.4	7200

MONTH: OCT

00-02	.4	12.2		.9		13.0	16.6	1.3			30.9	930
03-05	.1	10.8		.8		11.5	22.0	1.1			34.6	930
06-08	.1	9.4		.8		10.1	32.9	2.9			45.9	930
09-11	.2	7.8		.5		8.4	22.8	7.7			38.9	930
12-14	.1	7.8		.3		8.2	9.6	5.7			23.4	930
15-17	.1	10.4		.4		10.9	9.4	5.3			25.5	930
18-20		10.3		.5		10.9	7.6	3.8			22.3	930
21-23	.1	10.6		.4		11.1	11.0	2.9			24.9	930
ALL HOURS	.1	9.9		.6		10.5	16.5	3.8			30.8	7440

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.4	14.3		3.0		17.3	14.7	.3			32.3	900
03-05	.6	15.4		4.1		19.6	19.2	.3			39.1	900
06-08	.8	18.3		3.7		22.0	26.0	1.8			49.8	900
09-11	.6	13.7		4.0		17.7	22.8	5.7			46.1	900
12-14	.7	13.0		3.8		16.8	13.1	4.4			34.3	900
15-17	.7	14.6		3.3		17.9	10.6	3.6			32.0	900
18-20	.4	15.8		3.1		18.9	9.4	2.0			30.3	900
21-23	.3	14.8		3.7		18.4	11.9	1.0			31.3	900
ALL HOURS	.6	15.0		3.6		18.6	16.0	2.4			36.9	7200

MONTH: DEC

00-02	.1	11.3	.8	12.7		24.7	16.5	.3	.5		42.0	930
03-05		12.0	.3	11.6		24.0	17.5		.1		41.6	930
06-08	.1	13.9	.8	14.0		28.6	22.7	.4	.3		52.0	930
09-11		12.3	.5	13.0		25.8	26.9	2.0	1.3		56.0	930
12-14		10.2	.3	10.8		21.3	17.1	3.3	1.2		42.9	930
15-17		12.5		10.3		22.8	18.3	2.9	1.4		45.4	930
18-20		12.0	.4	11.4		23.9	16.2	2.0	.6		42.8	930
21-23		11.7	.6	12.6		24.9	15.3	1.6	.5		42.4	930
ALL HOURS	.0	12.0	.5	12.0		24.5	18.8	1.6	.8		45.6	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	6.8	.7	17.0		24.5	17.5	2.4	1.3		45.8	7440
FEB	.1	11.7	.7	13.3		25.7	20.1	3.0	1.2		49.9	6768
MAR	.6	10.8	.4	7.5		18.8	15.2	2.1	.1	.0	36.2	7440
APR	1.1	12.5		1.8	.0	14.3	9.9	1.5	.1		25.8	7200
MAY	2.1	11.5		.0		11.5	13.7	4.0			29.3	7440
JUN	2.0	6.5				6.5	13.1	12.4			31.9	7200
JUL	2.3	5.7				5.7	17.6	18.8			42.1	7440
AUG	1.6	4.6				4.6	18.5	21.8			44.9	7435
SEP	.9	5.3				5.3	14.3	5.8			25.4	7200
OCT	.1	9.9		.6		10.5	16.5	3.8			30.8	7440
NOV	.6	15.0		3.6		18.6	16.0	2.4			36.9	7200
DEC	.0	12.0	.5	12.0		24.5	18.8	1.6	.8		45.6	7440
ANNUAL	1.0	9.3	.2	4.6	.0	14.1	15.9	6.7	.3	.0	37.0	87643

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.7	37.1	6.3	42.8	.1	67.3	46.0	49.2	6.8		86.1	1494
FEB	2.1	37.4	4.4	39.3	.2	63.5	45.4	50.7	4.8		84.8	1360
MAR	7.0	45.4	1.6	26.7	.8	61.4	41.2	47.2	2.2		80.6	1477
APR	13.8	54.2	.1	8.6	1.3	57.5	39.6	39.7	.1	.1	76.9	1425
MAY	20.0	51.4		.2	1.1	51.5	42.8	45.2			74.9	1483
JUN	23.7	44.9			.8	44.9	45.5	58.2			78.1	1427
JUL	24.8	44.5			.2	44.6	54.1	63.1			81.0	1461
AUG	21.0	41.5			.3	41.5	62.9	70.8			85.1	1454
SEP	10.4	37.7			.2	37.8	55.7	58.2			78.7	1378
OCT	4.7	39.3		1.7	.2	39.7	50.4	51.7			77.9	1428
NOV	3.3	43.7	.2	18.7	.1	54.3	44.4	47.4	.7		81.2	1402
DEC	1.2	41.4	4.0	36.4		64.8	43.8	45.3	3.6		85.9	1457
ANNUAL	11.2	43.3	1.4	14.6	.5	52.5	47.6	52.2	1.5	.0	80.9	17246

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02			.5	1.3	2.3	1.7	1.6	1.4	.8	.4	.4	.1
03-05		.4	.4	1.7	1.3	1.3	2.0	1.2	.4	.1	.6	
06-08			.8	.7	1.0	.8	.9	1.1	.4	.1	.8	.1
09-11			.2	.3	1.3	.4	1.2	1.2	.6	.2	.6	
12-14				.1	1.8	1.3	1.3	1.1	.6	.1	.7	
15-17			.5	1.7	3.4	3.4	4.2	2.7	.9	.1	.7	
18-20	.1	.2	1.1	1.8	2.8	4.0	3.7	2.5	1.9		.4	
21-23	.2	.1	.9	1.2	2.8	2.8	3.9	1.4	1.6	.1	.3	
ALL HOURS	.0	.1	.6	1.1	2.1	2.0	2.3	1.6	.9	.1	.6	.0
TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7435	7200	7440	7200	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS					66.7	33.3		3
LIQUID PRECIP	5.5		10.1	22.1	40.3	18.3	3.8	526
FREEZING PRECIP	1.9		13.5	53.8	7.7	19.2	3.8	52
FROZEN PRECIP	4.0		9.6	6.0	12.4	51.1	16.9	1267
FOG	16.8		10.4	12.3	23.6	27.9	9.0	1292
FOG WITH VIS GE 1/2 MILES	16.7		10.5	12.3	23.5	27.9	9.0	1284
TOTAL OBS	841	0	740	682	2111	2381	685	7440

MONTH: FEB HOURS: ALL

TSTMS	16.7		16.7	16.7	16.7	33.3		6
LIQUID PRECIP	7.3		21.6	17.4	38.8	9.0	5.9	793
FREEZING PRECIP	6.7		42.2	31.1	8.9	6.7	4.4	45
FROZEN PRECIP	3.1		25.2	8.2	7.3	39.4	16.8	912
FOG	20.7		22.0	12.5	18.7	16.6	9.5	1341
FOG WITH VIS GE 1/2 MILES	18.5		22.2	12.6	19.3	17.4	10.0	1262
TOTAL OBS	965	0	1167	822	1585	1597	626	6762

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS	4.9		17.1	17.1	22.0	36.6	2.4	41
LIQUID PRECIP	5.1		17.7	28.3	23.2	18.8	6.9	784
FREEZING PRECIP			58.1	35.5			6.5	31
FROZEN PRECIP	2.8		26.4	5.4	5.6	39.2	20.6	572
FOG	15.8		22.5	21.8	16.1	13.6	10.3	1120
FOG WITH VIS GE 1/2 MILES	15.2		22.5	22.0	16.3	13.5	10.5	1100
TOTAL OBS	977	0	1332	1131	1617	1522	861	7440

MONTH: APR HOURS: ALL

TSTMS	10.0		12.5	16.3	32.5	20.0	8.8	80
LIQUID PRECIP	7.9		13.5	13.7	30.3	22.0	12.6	638
FREEZING PRECIP								
FROZEN PRECIP	1.6		8.5	7.8	4.7	21.7	55.8	129
FOG	25.4		19.5	15.2	19.3	11.7	8.9	709
FOG WITH VIS GE 1/2 MILES	24.6		19.7	15.4	19.4	11.9	9.0	700
TOTAL OBS	1282	0	1098	898	1600	1468	854	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS	15.4		9.0	9.6	40.4	20.5	5.1	156
LIQUID PRECIP	7.8		26.0	17.8	23.8	14.4	10.3	759
FREEZING PRECIP								
FROZEN PRECIP						100.0		3
FOG	27.6		21.1	14.9	18.2	10.6	7.6	1006
FOG WITH VIS GE 1/2 MILES	27.0		21.3	15.1	18.3	10.7	7.6	996
TOTAL OBS	1566	0	1400	879	1799	1210	586	7440

MONTH: JUN HOURS: ALL

TSTMS	9.9		15.5	13.4	38.0	13.4	9.9	142
LIQUID PRECIP	11.5		16.4	16.4	28.4	18.0	9.3	366
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.0		11.2	10.7	27.5	10.6	6.0	923
FOG WITH VIS GE 1/2 MILES	33.8		11.2	10.8	27.6	10.5	6.1	907
TOTAL OBS	1648	0	1059	726	1882	1324	561	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSMS	13.2		12.6	10.9	35.6	22.4	5.2	174
LIQUID PRECIP	15.7		13.1	17.3	34.0	16.3	3.5	312
FREEZING PRECIP								
FROZEN PRECIP								
FOG	44.5		10.6	9.4	22.5	10.4	2.7	1279
FOG WITH VIS GE 1/2 MILES	44.3		10.6	9.4	22.5	10.5	2.7	1270
TOTAL OBS	2084	0	1126	747	1654	1357	472	7440

MONTH: AUG HOURS: ALL

TSMS	7.8		12.1	12.1	35.3	25.9	6.9	116
LIQUID PRECIP	12.0		15.7	12.0	30.7	22.1	7.5	267
FREEZING PRECIP								
FROZEN PRECIP								
FOG	52.4		13.3	5.7	16.5	9.3	2.8	1344
FOG WITH VIS GE 1/2 MILES	52.2		13.5	5.6	16.5	9.4	2.8	1330
TOTAL OBS	2331	0	1488	697	1390	1060	469	7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS	1.6		14.1	7.8	42.2	26.6	7.8	64
LIQUID PRECIP	8.1		19.4	4.3	41.6	15.9	10.7	346
FREEZING PRECIP								
FROZEN PRECIP								
FOG	41.4		16.5	5.8	24.4	8.6	3.3	1018
FOG WITH VIS GE 1/2 MILES	41.0		16.5	5.7	24.5	8.9	3.4	993
TOTAL OBS	1891	0	1224	650	1975	1032	423	7200

MONTH: OCT HOURS: ALL

TSTMS				9.1	72.7	18.2		11
LIQUID PRECIP	6.1		21.5	17.8	28.5	20.9	5.3	741
FREEZING PRECIP								
FROZEN PRECIP			23.3		51.2	23.3	2.3	43
FOG	33.8		17.3	13.2	23.0	10.4	2.4	1223
FOG WITH VIS GE 1/2 MILES	32.4		17.8	13.6	23.3	10.7	2.4	1187
TOTAL OBS	1776	0	1092	795	1895	1437	445	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS	5.0		2.5	7.5	67.5	7.5	10.0	40
LIQUID PRECIP	5.5		17.3	18.5	30.8	19.3	8.7	1073
FREEZING PRECIP								
FROZEN PRECIP	4.6		14.1	5.3	10.3	50.8	14.9	262
FOG	27.2		17.3	14.5	22.5	12.4	6.0	1149
FOG WITH VIS GE 1/2 MILES	26.5		17.4	14.7	22.7	12.6	6.1	1128
TOTAL OBS	1231	0	811	759	2232	1465	702	7200

MONTH: DEC HOURS: ALL

TSTMS				100.0				2
LIQUID PRECIP	10.1		12.1	20.2	37.5	14.4	5.6	907
FREEZING PRECIP			2.9	28.6	51.4	5.7	11.4	35
FROZEN PRECIP	3.2		9.9	4.6	19.0	45.8	17.5	901
FOG	21.9		12.3	14.6	27.1	17.0	7.1	1395
FOG WITH VIS GE 1/2 MILES	20.2		12.5	14.9	27.6	17.6	7.3	1349
TOTAL OBS	1053	0	653	686	2300	2107	641	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	341 - 050	051 - 140	141 - 230	231 - 300	301 - 340	NO OF OBS
TSTMS	10.1		12.0	11.9	38.3	21.1	6.7	835
LIQUID PRECIP	7.8		17.3	18.2	31.8	17.3	7.7	7712
FREEZING PRECIP	2.5		27.6	38.7	16.0	9.2	6.1	163
FROZEN PRECIP	3.4		15.9	6.0	11.8	44.5	18.5	4089
FOG	30.2		15.9	12.4	21.6	13.6	6.2	13799
FOG WITH VIS GE 1/2 MILES	29.5		16.1	12.5	21.8	13.8	6.3	13506
TOTAL OBS	17645	0	13190	9477	22040	17960	7325	87637

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR PP	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

B - 1 - 1

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN YEAR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	33.4	38.0	38.9	41.2	46.4	52.7	54.5	59.1	62.8	60.4	45.2	35.6	47.4
TRACE	27.2	23.4	20.8	16.8	13.8	12.1	12.8	12.2	11.1	11.1	17.9	25.7	17.0
.01	4.2	4.7	2.9	4.0	3.5	2.0	3.0	1.9	1.8	3.0	3.0	4.2	3.2
.02-.05	10.6	10.1	9.0	8.5	6.5	5.5	5.3	5.1	5.0	5.6	8.1	8.6	7.3
.06-.10	5.8	4.8	5.5	5.1	4.5	3.9	4.2	3.8	3.1	4.6	4.5	6.5	4.7
.11-.25	8.2	8.1	9.0	8.2	9.2	7.9	7.1	6.5	5.2	5.9	7.4	7.4	7.5
.26-.50	5.3	5.8	7.5	8.1	7.7	6.9	5.5	4.4	5.1	4.4	6.1	6.8	6.1
.51-1.00	4.1	4.0	4.9	5.7	6.1	5.1	4.5	4.2	3.9	3.6	6.2	4.1	4.7
1.01-2.50	.9	1.2	1.2	2.4	2.1	3.5	2.9	2.5	1.8	1.2	1.4	1.0	1.8
2.51-5.00	.3	.1	.2		.1	.4	.2	.2	.1	.1	.1		.1
5.01-10.00								.1					.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	39.4	38.7	40.3	42.0	39.8	35.2	32.7	28.7	26.1	28.5	36.9	38.7	35.6
TOTAL NO. OF OBSERVATIONS	1592	1430	1612	1560	1612	1560	1612	1612	1530	1581	1530	1581	18812

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										*	*	*	.00*
38		*	*	*	*	*	*	*	*	*	*	*	.00*
39	.00*	.00*	2.62	4.17	.66	8.62	3.76	1.37	1.03	2.25	1.24	1.29	27.01*
40	.97	.00*	2.20	5.89	6.60	2.52	.60	3.55	1.16	2.00	3.80	2.33	31.62*
41	1.29	.68	.57	1.66	1.83	6.02	1.31	4.58	2.63	6.09	2.11	3.19	31.96
42	1.94	2.59	2.75	2.07	2.57	7.29	2.75	2.94	2.84	2.16	3.52	3.86	37.28
43	1.16	1.71	5.96	2.10	4.29	5.04	5.31	3.13	1.16	1.54	1.06	.78	33.24
44	.69	2.46	4.55	4.93	4.25	3.33	.92	3.94	1.42	.22	2.75	3.19	32.65
45	1.11	3.92	8.68	4.45	4.27	6.64	3.29	1.00	4.01	2.06	3.52	1.02	43.99
46	1.23	3.63	3.06	2.05	4.63	2.00	3.57	3.29	.65	2.55	2.55	3.34	32.55
47	3.96	.53	1.77	5.03	6.42	10.80	4.24	3.88	2.91	2.31	2.24	2.24	46.33
48	6.11	4.16	4.55	3.67	2.51	5.25	3.29	1.82	1.65	1.78	4.98	3.18	42.97
49	8.86	2.60	3.16	2.22	1.89	5.52	3.05	8.48	4.56	2.16	.91	3.34	46.75
50	8.79	5.23	2.65	5.07	2.47	3.98	2.79	5.18	3.17	2.69	5.98	3.23	51.23
51	5.82	3.15	3.96	3.55	3.08	3.96	.46	1.11	2.36	2.18	3.99	3.48	37.10
52	5.73	2.31	4.33	4.05	3.10	4.69	1.10	1.90	3.72	.95	1.86	3.03	36.77
53	3.29	2.05	1.91	2.05	1.52	1.34	1.79	1.90	.73	.52	.87	1.64	19.61
54	2.25	1.52	1.58	4.55	2.16	5.09	1.79	4.33	1.44	5.28	.50	2.63	34.22
55	1.73	4.19	3.75	2.40	2.41	4.69	3.69	1.26	5.46	3.59	5.77	.75	39.69
56	1.86	3.81	3.41	2.28	3.90	2.47	2.11	2.27	1.72	1.23	4.70	3.33	33.09
57	1.68	2.16	.93	6.55	5.63	3.08	2.00	.67	3.03	1.44	3.38	5.35	35.90
58	3.17	1.22	1.64	3.22	3.88	6.73	7.09	3.51	3.95	1.10	3.26	1.92	40.69
59	7.59	2.65	3.58	2.26	2.48	.68	3.51	3.82	1.08	1.87	2.48	2.28	34.28
60	2.48	2.27	1.65	.88	4.42	3.05	3.48	2.20	.79	1.99	1.59	1.96	26.75
61	.88	2.82	4.27	3.49	2.11	3.58	1.38	2.69	2.14	.85	2.78	2.60	29.59
62	3.00	3.36	2.54	.53	3.63	.35	4.84	2.03	1.68	1.89	2.77	.88	27.50
63	1.11	.68	6.51	4.11	1.49	2.68	3.50	5.30	.15	.14	.80	1.03	27.52
64	2.08	1.94	9.99	7.52	1.69	4.40	3.70	.50	1.70	.46	2.16	3.46	39.60
65	3.47	4.62	2.88	4.76	1.20	1.72	2.26	1.92	5.27	3.83	1.35	1.09	34.37
66	3.50	3.51	1.32	3.62	3.53	2.63	5.71	4.26	3.88	1.41	4.15	3.02	40.54
67	.82	3.08	4.43	5.16	7.48	2.22	2.41	.21	2.03	2.26	4.21	3.30	37.61
68	1.97	.26	3.06	2.41	12.34	3.88	3.97	4.42	4.50	1.17	4.99	3.57	46.54
69	3.80	1.26	2.30	3.59	3.61	9.27	6.19	2.97	1.94	1.28	3.35	2.45	42.01
70	1.81	1.08	3.21	6.59	3.41	5.24	3.44	1.78	2.61	2.90	2.31	2.77	37.15

B - 2 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	1.88	4.51	2.24	1.12	4.25	4.13	3.90	1.05	4.87	2.44	2.44	5.50	38.33
72	1.55	1.27	3.02	5.65	4.53	2.96	1.80	3.35	4.75	2.52	5.57	3.14	40.11
73	1.86	1.43	5.58	3.99	2.95	7.01	7.44	2.53	1.25	3.79	4.98	2.63	45.44
74	2.88	2.41	3.21	3.55	3.55	4.87	.58	10.18	5.06	1.19	3.75	3.30	44.53
75	3.72	4.80	4.57	5.38	2.11	3.35	7.32	5.16	4.03	3.11	2.20	3.44	49.19
76	3.24	2.30	3.04	1.98	2.82	7.46	3.55	3.05	2.85	1.87	.87	.88	33.91
77	1.84	1.57	3.53	3.50	1.88	1.71	3.47	3.45	3.13	5.33	2.60	4.13	36.14
78	6.35	.50	2.68	4.05	3.44	3.29	4.00	6.91	.43	3.24	1.95	4.93	41.77
79	3.69	3.00	1.59	4.37	3.21	6.18	7.59	8.82	1.11	1.52	4.15	2.17	52.40
80	2.21	1.76	3.93	2.54	5.27	10.93	4.66	6.81	1.47	2.91	1.59	1.23	45.31
81	.19	2.92	.97	6.02	7.33	6.08	6.82	4.22	2.82	2.43	1.72	3.33	44.85
82	6.35	1.64	4.94	1.67	5.17	4.02	2.19	6.17	1.20	1.23	4.67	3.56	42.81
83	1.90	.79	1.89	6.40	5.22	3.33	3.04	2.25	.97	6.04	4.29	2.50	38.62
84	1.00	2.64	3.63	5.22	4.25	2.77	2.44	3.28	3.42	3.16	4.48	4.10	40.39
85	1.14	1.93	5.10	1.35	4.46	1.95	4.50	4.25	.82	2.08	10.06	2.31	39.95
86	1.61	3.80	3.00	2.43	3.07	4.84	5.03	1.79	4.30	4.96	3.81	3.05	41.69
87	1.64	.75	2.49	2.91	3.85	4.92	5.88	1.87	.72	1.62	2.09	3.51	32.25
88	.90	3.45	2.40	1.58	1.04	.73	6.40	2.10	4.25	1.96	3.95	2.28	31.04
89	2.08	2.63	3.46	6.28	7.13	6.23	5.94	1.45	3.42	1.62	2.68	2.07	44.99
90	2.28	5.32	3.52	2.87	8.90	3.36	9.06	3.72					39.03*

B - 2 - 2B

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

[illegible]

THE GREATEST VALUE OF 12.34 OCCURRED ON 05/68

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										*	*	*	*
38	*	*		*	*	*	*	*	*	*	*	*	*
39	.00*	.00*	.65	.80	.35	3.48	1.35	.76	.88	1.28	.69	.42	3.48*
40	.22	.00*	.98	1.59	1.12	.48	.31	.96	.79	1.00	1.15	.53	1.59*
41	.31	.26	.31	.62	.56	1.85	.46	1.76	1.89	1.42	.90	1.54	1.89
42	.91	.93	.88	1.02	.74	1.92	.56	1.02	.71	.77	1.17	.90	1.92
43	.39	.70	2.30	.67	.93	1.23	1.52	1.01	.46	.37	.71	.33	2.30
44	.35	.82	1.19	1.09	.98	1.90	.26	1.11	.91	.15	.59	.80	1.90
45	.27	1.75	2.80	.91	1.07	1.38	1.73	.30	1.36	.53	.66	.46	2.80
46	.32	1.37	.91	.71	.48	.80	1.14	1.07	.37	.69	.79	1.37	1.37
47	1.48	.13	.42	1.32	1.51	2.71	1.34	1.32	1.24	.91	.48	.58	2.71
48	3.31	1.82	.88	.88	.54	1.16	.95	.71	.83	.99	1.33	.95	3.31
49	2.71	1.05	1.03	.31	.92	1.91	1.01	5.29	1.30	.74	.39	.74	5.29
50	1.47	1.25	.97	1.48	.70	.98	.91	1.77	1.10	2.15	1.58	1.47	2.15
51	2.59	1.25	.94	.74	1.05	1.46	.18	.30	.84	1.13	1.15	.77	2.59
52	2.77	.64	1.73	1.06	1.03	1.90	.43	.49	1.62	.73	.61	1.12	2.77
53	1.02	1.14	.74	.46	.35	.81	.50	1.54	.50	.29	.46	.53	1.54
54	.72	.52	.84	1.17	.76	2.10	.57	.97	.57	1.10	.30	.76	2.10
55	.44	.82	1.04	.49	.71	.98	1.40	1.07	2.08	1.22	2.86	.34	2.86
56	.81	.66	1.28	.73	1.13	1.07	.47	.91	1.05	.74	3.26	.92	3.26
57	.56	1.48	.31	1.47	1.19	.92	.73	.26	.94	.64	.91	1.10	1.48
58	1.01	.47	.53	.87	1.33	1.84	1.49	1.81	.64	.41	.70	1.41	1.84
59	3.83	.73	1.06	.98	.76	.30	1.47	3.36	.79	.61	.79	.73	3.83
60	.50	.52	.55	.30	1.40	.90	2.15	.60	.56	.46	.35	.72	2.15
61	.32	1.63	.90	.86	.78	1.64	.29	2.26	1.12	.34	1.24	.75	2.26
62	.79	.76	.66	.14	.91	.12	1.16	.60	.41	.66	.83	.58	1.16
63	.41	.20	2.46	1.66	.55	1.20	1.14	1.34	.12	.06	.26	.31	2.46
64	.47	.59	3.44	1.84	.76	1.75	.99	.15	.90	.17	.60	1.06	3.44
65	1.11	1.98	.83	1.10	.73	.55	.80	.43	2.13	1.33	.57	.29	2.13
66	1.23	1.08	.42	1.05	1.12	.84	2.33	1.15	1.05	.69	1.17	1.03	2.33
67	.35	.94	1.10	1.96	1.15	.51	1.84	.12	.73	.59	1.12	1.00	1.96
68	.94	.18	1.43	.85	3.87	1.40	2.59	1.74	1.51	.52	1.11	.75	3.87
69	.83	.72	1.33	1.06	1.04	3.16	1.82	2.16	1.07	.58	1.05	.97	3.16
70	.69	.69	.88	1.90	.86	2.70	.76	.74	.92	.73	.84	.73	2.70

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	.74	1.16	.76	.45	1.30	1.79	1.84	.47	1.62	.78	.55	1.70	1.84
72	.54	.39	.63	1.17	1.97	1.50	.82	.96	1.13	.83	1.33	.69	1.97
73	.63	.39	1.23	.61	.57	1.63	1.69	.86	.47	1.39	1.03	.72	1.69
74	.60	.97	.78	1.04	1.17	2.07	.15	1.67	.86	.51	1.13	.69	2.07
75	.74	2.55	1.33	1.27	.57	.95	3.66	.91	1.68	1.33	.48	1.10	3.66
76	.72	.84	.62	.94	.83	1.41	1.48	1.54	.86	.42	.54	.23	1.54
77	.38	.43	.96	1.59	.92	.57	1.14	1.55	.79	3.77	.81	.88	3.77
78	1.41	.27	.58	.95	.89	1.04	1.66	1.66	.19	.90	.88	1.55	1.66
79	1.01	.96	.47	.74	.79	1.75	1.81	2.15	2.68	.35	.97	.78	2.68
80	1.52	.54	.51	.54	1.45	4.67	1.17	2.02	.63	1.31	.58	.30	4.67
81	.13	.96	.26	1.71	1.53	3.30	2.06	2.98	1.36	1.14	.98	1.01	3.30
82	1.79	.58	.87	.67	1.45	1.02	.80	2.93	.44	.39	1.33	1.34	2.93
83	.82	.47	.58	2.43	.82	1.76	1.58	1.36	.51	1.61	1.03	.42	2.43
84	.22	.83	.86	1.58	1.06	1.16	.78	1.09	.90	.86	1.45	.88	1.58
85	.35	.43	1.93	.67	1.22	.75	1.20	2.42	.42	1.14	2.09	.96	2.42
86	.64	.87	.85	1.34	.80	1.05	1.62	1.20	1.84	1.62	1.61	.91	1.84
87	.74	.49	1.43	.61	1.50	3.25	2.78	1.05	.24	.61	.49	.57	3.25
88	.41	1.36	.90	.45	.62	.44	2.22	.74	1.93	.68	.69	.93	2.22
89	.68	.61	.70	1.18	2.05	2.18	1.74	.36	1.46	.53	.96	.64	2.18
90	.96	1.51	.90	1.36	2.37	.73	3.56	1.39					3.56*
.....													
GREATEST	3.83	2.55	3.44	2.43	3.87	4.67	3.66	5.29	2.68	3.77	3.26	1.70	5.29
.....													
TOTAL OBS	1592	1430	1612	1560	1612	1560	1612	1612	1530	1581	1530	1581	18812
.....													

THE GREATEST VALUE OF 5.29 OCCURRED ON 08/28/49

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	53.9	57.3	71.8	90.8	99.8	100.0	100.0	100.0	100.0	98.2	80.3	60.9	84.5
TRACE	26.3	24.6	16.7	7.0	.1					1.6	14.0	25.1	9.6
0.1-0.4	7.7	7.4	4.8	1.3	.1						2.5	5.7	2.4
0.5-1.4	7.3	6.2	3.7	.3						.1	1.7	4.5	2.0
1.5-2.4	1.7	2.1	1.5	.2						.1	.8	1.8	.7
2.5-3.4	1.4	.9	.2	.3								.9	.3
3.5-4.4	.7	.9	.4								.2	.4	.2
4.5-6.4	.7	.4	.7								.3	.6	.2
6.5-10.4	.2	.2	.1								.2		.1
10.5-15.4												.1	.0
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	19.8	18.0	11.5	2.1	.1					.2	5.7	14.0	5.9
TOTAL NO. OF OBSERVATIONS	1395	1270	1395	1350	1395	1350	1395	1395	1319	1364	1320	1364	16312

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										*	*	*	.0*
38	*	*	*	*	*	*	*	*	*	*	*	*	.0*
39	*	*	*	*	*	*	*	*	*	*	*	*	.0*
40	*	*	*	*	*	*	*	*	*	*	*	*	.0*
41	*	*	*	*	*	*	*	*	*	*	*	*	.0*
42	*	*	*	*	*	*	*	*	*	*	*	*	.0*
43	*	*	*	*	*	*	*	*	*	*	*	*	.0*
44	*	*	*	*	*	*	*	*	*	*	*	*	.0*
45	*	*	*	*	*	*	*	*	*	*	*	*	.0*
46	1.1	.9	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	9.3	11.4
47	1.0	6.5	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.3	19.8
48	16.8	16.3	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	5.3	40.9
49	5.3	.2	2.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.4
50	TRACE	3.9	.2	TRACE	.0	.0	.0	.0	.0	.0	17.3	10.0	31.4
51	11.3	8.5	7.8	TRACE	.0	.0	.0	.0	.0	1.0	.4	8.8	37.8
52	3.0	3.5	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	3.7	4.6	15.8
53	3.2	TRACE	4.7	2.8	.0	.0	.0	.0	.0	.0	1.8	5.6	18.1
54	4.1	6.6	2.5	TRACE	.0	.0	.0	.0	.0	TRACE	1.5	4.1	18.8
55	3.7	3.6	4.8	.0	.0	.0	.0	.0	.0	.0	10.5	4.2	26.8
56	15.3	.2	5.7	TRACE	.0	.0	.0	.0	.0	.0	2.0	1.0	24.2
57	7.9	2.4	TRACE	2.2	.0	.0	.0	.0	.0	1.0	.5	6.7	20.7
58	7.9	6.9	8.2	.1	.0	.0	.0	.0	.0	.0	7.0	18.6	48.7
59	16.3	1.6	15.9	.3	.0	.0	.0	.0	.0	.0	4.6	6.1	44.8
60	1.7	7.9	14.9	TRACE	.0	.0	.0	.0	.0	.0	2.0	15.6	42.1
61	6.5	6.8	.7	.3	.0	.0	.0	.0	.0	.0	.4	5.3	20.0
62	4.7	10.9	5.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.7	23.5
63	3.4	6.1	5.1	TRACE	.0	.0	.0	.0	.0	.0	.8	7.4	22.8
64	16.6	15.5	.9	TRACE	.0	.0	.0	.0	.0	.0	1.2	1.9	36.1
65	13.3	5.2	4.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	24.5
66	6.4	7.2	2.0	.7	TRACE	.0	.0	.0	.0	.0	9.2	5.7	31.2
67	4.5	14.1	7.0	.0	.0	.0	.0	.0	.0	TRACE	6.0	3.3	34.9
68	5.8	1.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	.6	3.5	24.4
69	2.4	1.8	1.4	TRACE	.0	.0	.0	.0	.0	.0	.5	7.4	13.5
70	10.6	1.8	7.4	TRACE	.0	.0	.0	.0	.0	.0	3.5	.6	23.9

B - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	5.2	9.1	11.8	TRACE	.0	.0	.0	.0	.0	.0	3.7	.3	30.1
72	3.9	7.1	1.8	1.4	.0	.0	.0	.0	.0	TRACE	2.0	5.1	21.3
73	1.6	3.8	1.7	6.1	.0	.0	.0	.0	.0	.0	TRACE	9.8	23.0
74	2.9	4.8	2.7	2.2	.0	.0	.0	.0	.0	TRACE	8.5	6.1	27.2
75	4.7	3.3	11.6	.1	.0	.0	.0	.0	.0	.0	2.8	3.5	26.0
76	10.5	.3	.6	.0	.0	.0	.0	.0	.0	.0	3.1	4.0	18.5
77	18.9	7.7	.7	.2	.0	.0	.0	.0	.0	TRACE	2.1	3.6	33.2
78	34.1	5.0	7.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9	47.0
79	20.2	13.8	.4	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	34.7
80	6.3	11.0	3.0	TRACE	.0	.0	.0	.0	.0	TRACE	6.0	3.3	29.6
81	2.5	1.0	2.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.2	16.9
82	12.8	4.1	3.3	4.2	.0	.0	.0	.0	.0	.0	TRACE	.2	24.6
83	2.0	2.5	1.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	9.4
84	6.6	11.7	12.6	TRACE	.0	.0	.0	.0	.0	.0	1.0	4.0	35.9
85	10.2	9.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	9.1	28.4
86	3.6	8.1	1.0	TRACE	.0	.0	.0	.0	.0	.0	.8	2.5	16.0
87	3.0	3.3	6.4	2.7	.0	.0	.0	.0	.0	TRACE	1.0	.3	16.7
88	1.3	4.6	.4	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.1	9.4
89	TRACE	1.9	1.7	.2	.1	.0	.0	.0	.0	2.0	TRACE	10.3	16.2
90	4.5	3.4	1.8	TRACE	.0	.0	.0	.0					9.7*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.4
GREATEST	34.1	16.3	15.9	6.1	.1	.0	.0	.0	.0	2.0	17.3	18.6	48.7
MEAN	7.3	5.7	4.3	.5	.0	.0	.0	.0	.0	.1	2.4	5.2	25.6
MEDIAN	4.7	4.8	2.7	TRACE	.0	.0	.0	.0	.0	.0	.9	4.2	24.3
SD	6.730	4.250	4.268	1.259	.015	.000	.000	.000	.000	.362	3.561	4.060	10.184
TOTAL OBS	1395	1270	1395	1350	1395	1350	1395	1395	1319	1364	1320	1364	16312

THE GREATEST VALUE OF 34.1 OCCURRED ON 01/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 2C

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										*	*	*	*
38	*	*	*	*	*	*	*	*	*	*	*	*	*
39	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	.8	.8	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
47	.9	1.7	3.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.1	3.4
48	6.2	10.4	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5	10.4
49	3.5	.2	1.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.5
50	TRACE	1.9	.2	TRACE	.0	.0	.0	.0	.0	.0	8.4	3.1	8.4
51	4.4	8.2	5.5	TRACE	.0	.0	.0	.0	.0	1.0	.4	6.0	8.2
52	3.0	1.4	.6	TRACE	.0	.0	.0	.0	.0	TRACE	3.5	2.0	3.5
53	1.0	TRACE	3.4	2.8	.0	.0	.0	.0	.0	.0	1.7	5.2	5.2
54	2.0	2.9	1.4	TRACE	.0	.0	.0	.0	.0	TRACE	1.3	1.8	2.9
55	.9	1.5	2.1	.0	.0	.0	.0	.0	.0	.0	6.0	2.0	6.0
56	8.2	.2	3.8	TRACE	.0	.0	.0	.0	.0	.0	1.0	.5	8.2
57	2.5	1.4	TRACE	2.1	.0	.0	.0	.0	.0	1.0	.5	4.6	4.6
58	2.7	4.2	4.6	.1	.0	.0	.0	.0	.0	.0	7.0	13.9	13.9
59	6.2	.6	7.3	.3	.0	.0	.0	.0	.0	.0	4.3	3.2	7.3
60	.7	2.3	5.5	TRACE	.0	.0	.0	.0	.0	.0	1.5	6.3	6.3
61	3.2	1.9	.7	.3	.0	.0	.0	.0	.0	.0	.4	3.7	3.7
62	3.0	4.5	1.9	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.2	4.5
63	1.1	2.0	4.6	TRACE	.0	.0	.0	.0	.0	.0	.5	2.8	4.6
64	9.0	4.2	.3	TRACE	.0	.0	.0	.0	.0	.0	.5	.6	9.0
65	6.4	2.3	1.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	6.4
66	4.6	4.8	1.3	.3	TRACE	.0	.0	.0	.0	.0	4.4	2.8	4.8
67	1.7	5.0	4.5	.0	.0	.0	.0	.0	.0	TRACE	5.2	2.5	5.2
68	2.8	1.5	8.9	TRACE	.0	.0	.0	.0	.0	.0	.3	2.3	8.9
69	1.8	1.8	1.3	TRACE	.0	.0	.0	.0	.0	.0	.3	3.2	3.2
70	2.5	1.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	2.0	.5	2.5

B - 3 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	1.0	3.9	5.9	TRACE	.0	.0	.0	.0	.0	.0	1.5	.3	5.9
72	1.2	3.9	1.5	1.2	.0	.0	.0	.0	.0	TRACE	.7	3.6	3.9
73	.7	2.7	1.7	2.5	.0	.0	.0	.0	.0	.0	TRACE	3.5	3.5
74	2.2	3.0	2.0	2.0	.0	.0	.0	.0	.0	TRACE	8.5	2.3	8.5
75	4.0	1.7	4.7	.1	.0	.0	.0	.0	.0	.0	1.9	1.0	4.7
76	6.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	2.3	1.3	6.0
77	3.8	4.3	.7	.1	.0	.0	.0	.0	.0	TRACE	2.0	2.4	4.3
78	7.0	2.7	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.7	7.0
79	5.8	5.2	.2	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.8
80	2.5	4.2	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	6.0	1.9	6.0
81	1.7	1.0	1.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7	5.7
82	4.4	2.5	1.8	2.5	.0	.0	.0	.0	.0	.0	TRACE	.2	4.4
83	.7	1.0	.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	1.4
84	2.9	4.9	5.4	TRACE	.0	.0	.0	.0	.0	.0	1.0	4.0	5.4
85	3.7	3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.2	3.7
86	1.7	3.7	.3	TRACE	.0	.0	.0	.0	.0	.0	.8	2.5	3.7
87	.9	2.2	5.9	2.7	.0	.0	.0	.0	.0	TRACE	1.0	.3	5.9
88	.5	2.5	.4	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.8	2.5
89	TRACE	1.2	1.3	.1	.1	.0	.0	.0	.0	2.0	TRACE	4.5	4.5
90	3.5	1.4	1.2	TRACE	.0	.0	.0	.0					3.5*
.....													
GREATEST	9.0	10.4	8.9	2.8	.1	.0	.0	.0	.0	2.0	8.5	13.9	13.9
.....													
TOTAL OBS	1395	1270	1395	1350	1395	1350	1395	1395	1319	1364	1320	1364	16312
.....													

THE GREATEST VALUE OF 13.9 OCCURRED ON 12/05/58

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	54.1	62.0	83.6	98.5	100.0	100.0	100.0	100.0	100.0	99.9	93.2	69.6	88.6
TRACE	14.9	13.6	7.8	1.3						.1	4.4	10.4	4.3
1	8.1	8.3	3.4	.1						.1	1.0	7.9	2.4
2	7.3	4.6	1.8	.1							.4	4.1	1.5
3	7.4	3.9	1.2	.1							.2	3.2	1.3
4-6	4.6	5.2	1.7								.4	4.2	1.3
7-12	2.8	2.3	.4								.2	.6	.5
13-24	.7	.1									.2		.1
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	31.0	24.5	8.6	.3						.1	2.4	20.0	7.1
TOTAL NO. OF OBSERVATIONS	1613	1468	1637	1586	1643	1590	1643	1643	1559	1643	1574	1622	19221

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										0	0*	0*	0*
38	0*	0*	0*	0	0	0	0	0	0	0	0*	0*	0*
39	0*	0*	TRACE	0	0	0	0	0	0	0	0	4	4*
40	4	0*	3	TRACE	0	0	0	0	0	0	0	0	4*
41	3	2	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	3
42	2	1	3	0	0	0	0	0	0	0	1	5	5
43	1	1	2	0	0	0	0	0	0	0	TRACE	0*	2*
44	1	3	2	0	0	0	0	0	0	0	0	5	5
45	4	4	0	0	0	0	0	0	0	0	TRACE	10	10
46	1	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	5	5
47	1	3	3	0	0	0	0	0	0	0	TRACE	5	5
48	8	9	2	0	0	0	0	0	0	0	0	5	9
49	2	1	1	0	0	0	0	0	0	0	0	0	2
50	TRACE	2	TRACE	0	0	0	0	0	0	0	16	6	16
51	6	12	2	TRACE	0	0	0	0	0	0	TRACE	9	12
52	3	3	1	0	0	0	0	0	0	0	3	4	4
53	2	TRACE	3	TRACE	0	0	0	0	0	0	1	1	3
54	2	1	3	TRACE	0	0	0	0	0	0	1	1	3
55	2	2	1	0	0	0	0	0	0	0	4	3	4
56	8	TRACE	4	TRACE	0	0	0	0	0	0	TRACE	1	8
57	3	1	0	TRACE	0	0	0	0	0	0	TRACE	4	4
58	2	4	5	0	0	0	0	0	0	0	7	6	7
59	3	1	6	0	0	0	0	0	0	0	1	3	6
60	TRACE	2	7	TRACE	0	0	0	0	0	0	1	7	7
61	4	4	TRACE	TRACE	0	0	0	0	0	0	TRACE	3	4
62	3	5	4	0	0	0	0	0	0	TRACE	0	1	5
63	3	4	6	0	0	0	0	0	0	0	0	6	6
64	10	3	0	0	0	0	0	0	0	0	0	1	10
65	9	3	1	0	0	0	0	0	0	0	0	1	9
66	5	8	1	0	0	0	0	0	0	0	6	2	8
67	2	5	6	0	0	0	0	0	0	0	1	2	6
68	8	0	11	0	0	0	0	0	0	0	0	1	11
69	2	1	1	0	0	0	0	0	0	0	TRACE	6	6
70	6	1	2	0	0	0	0	0	0	0	1	1	6

B - 4 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	1	5	2	0	0	0	0	0	0	0	1	TRACE	5
72	2	4	1	TRACE	0	0	0	0	0	0	TRACE	3	4
73	1	1	2	2	0	0	0	0	0	0	0	5	5
74	4	3	3	TRACE	0	0	0	0	0	0	3	3	4
75	2	1	3	0	0	0	0	0	0	0	TRACE	1	3
76	3	1	TRACE	0	0	0	0	0	0	0	1	1	3
77	11	11	1	0	0	0	0	0	0	0	2	4	11
78	18	17	7	0	0	0	0	0	0	0	0	TRACE	18
79	8	10	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	10
80	3	4	3	0	0	0	0	0	0	0	6	2	6
81	3	1	1	0	0	0	0	0	0	0	TRACE	6	6
82	5	3	2	3	0	0	0	0	0	0	0	0	5
83	2	2	TRACE	0	0	0	0	0	0	0	0	2	2
84	3	9	9	0	0	0	0	0	0	0	0	4	9
85	4	;	0	0	0	0	0	0	0	0	0	3	7
86	1	2	1	0	0	0	0	0	0	0	TRACE	2	2
87	1	3	6	1	0	0	0	0	0	0	TRACE	TRACE	6
88	1	4	TRACE	0	0	0	0	0	0	0	0	2	4
89	1	TRACE	1	TRACE	0	0	0	0	0	1	0	5	5
90	2	1	1	0	0	0	0	0	0				2*

GREATEST	18*	17*	11*	3	0	0	0	0	0	1	16*	10*	18*
----------	-----	-----	-----	---	---	---	---	---	---	---	-----	-----	-----

TOTAL OBS	1613	1468	1637	1586	1643	1590	1643	1643	1559	1643	1574	1622	19221
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THE GREATEST VALUE OF 18 OCCURRED ON 01/21/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH

PERIOD OF RECORD: 3710-9008

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
39 - 40			DEC 27			MAR 15
40 - 41			JAN 04			FEB 28
41 - 42			JAN 04			MAR 31
42 - 43			NOV 29			MAR 08
43 - 44			JAN 01			MAR 20
44 - 45			DEC 12			FEB 09
45 - 46	JAN 01	JAN 01	DEC 14	APR 12	APR 12	JAN 25
46 - 47	DEC 01	DEC 13	DEC 21	APR 16	MAR 25	MAR 25
47 - 48	NOV 23	DEC 23	DEC 23	MAR 27	MAR 11	MAR 13
48 - 49	NOV 10	DEC 10	DEC 10	APR 18	MAR 18	MAR 18
49 - 50	NOV 02	FEB 01	FEB 01	APR 21	MAR 29	FEB 27
50 - 51	NOV 04	NOV 20	NOV 26	APR 17	MAR 19	MAR 20
51 - 52	OCT 28	OCT 31	DEC 15	APR 06	MAR 02	MAR 01
52 - 53	OCT 28	NOV 29	NOV 30	APR 20	APR 18	MAR 08
53 - 54	NOV 05	NOV 07	NOV 27	APR 04	MAR 14	MAR 02
54 - 55	OCT 29	NOV 01	NOV 04	MAR 27	MAR 26	MAR 27
55 - 56	NOV 03	NOV 18	NOV 19	APR 18	MAR 18	MAR 18
56 - 57	NOV 22	NOV 23	DEC 29	APR 13	APR 13	FEB 14
57 - 58	OCT 26	OCT 27	DEC 04	APR 07	APR 07	MAR 15
58 - 59	NOV 28	NOV 28	NOV 28	APR 12	APR 12	MAR 13
59 - 60	NOV 06	NOV 25	NOV 28	APR 09	MAR 26	MAR 21
60 - 61	NOV 06	NOV 06	NOV 30	APR 28	APR 01	FEB 26
61 - 62	NOV 08	NOV 19	DEC 23	APR 15	MAR 31	MAR 31
62 - 63	OCT 24	DEC 06	DEC 07	APR 30	MAR 21	MAR 04
63 - 64	NOV 13	NOV 13	DEC 09	APR 08	MAR 29	FEB 26
64 - 65	NOV 19	NOV 20	DEC 01	APR 02	MAR 24	MAR 25
65 - 66	NOV 17	DEC 20	DEC 21	MAY 11	APR 08	MAR 06
66 - 67	NOV 02	NOV 02	NOV 02	MAR 20	MAR 20	MAR 17
67 - 68	OCT 28	NOV 22	NOV 30	APR 25	MAR 23	MAR 25
68 - 69	NOV 09	NOV 09	DEC 18	APR 19	MAR 26	MAR 26
69 - 70	NOV 13	NOV 15	DEC 22	APR 02	MAR 29	MAR 29
70 - 71	NOV 14	NOV 14	NOV 25	APR 05	MAR 23	MAR 11

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: 3710-9008
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
71 - 72	NOV 06	NOV 06	NOV 06	APR 08	APR 07	MAR 03
72 - 73	OCT 18	NOV 19	DEC 16	APR 12	APR 12	APR 12
73 - 74	NOV 09	DEC 10	DEC 15	APR 08	APR 08	MAR 25
74 - 75	OCT 19	NOV 30	NOV 30	APR 03	APR 03	MAR 15
75 - 76	NOV 13	NOV 13	DEC 10	MAR 31	MAR 16	FEB 03
76 - 77	NOV 04	NOV 22	NOV 29	APR 25	APR 06	MAR 01
77 - 78	OCT 16	NOV 26	NOV 28	MAR 27	MAR 17	MAR 14
78 - 79	NOV 26	DEC 09	JAN 03	APR 09	APR 09	FEB 28
79 - 80	NOV 28	JAN 04	JAN 05	APR 15	MAR 17	MAR 18
80 - 81	OCT 25	NOV 17	NOV 18	MAR 20	MAR 05	MAR 05
81 - 82	OCT 18	DEC 08	DEC 17	APR 10	APR 09	APR 09
82 - 83	NOV 04	DEC 10	JAN 15	APR 18	MAR 21	FEB 08
83 - 84	NOV 11	DEC 02	DEC 08	APR 18	MAR 22	MAR 22
84 - 85	NOV 11	NOV 18	DEC 06	APR 09	FEB 13	FEB 21
85 - 86	NOV 24	DEC 02	DEC 14	APR 22	MAR 07	MAR 07
86 - 87	NOV 11	NOV 11	DEC 30	APR 05	APR 04	APR 01
87 - 88	OCT 20	NOV 20	JAN 26	MAR 20	MAR 18	FEB 14
88 - 89	OCT 12	DEC 10	DEC 13	MAY 07	MAY 07	MAR 08
89 - 90	OCT 18	OCT 19	OCT 19	APR 17	MAR 24	MAR 24
MEDIAN-DATE	NOV 06	NOV 22	DEC 10	APR 12	MAR 26	MAR 13

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIAN, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIAN, AND TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (800 METERS)
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST
BE GREATER THAN OR EQUAL TO 1/2 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
37										*	*	*	*
38	*	*	*	*	*	*	*	*	*	*	*	*	*
39	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	W 47	WSW 70	W 58	W 56	WSW 59	WNW 49	NW 38	WNW 33	NW 41	WSW 55	NW 50	WNW 56	WSW 70
47	SSW 56	WSW 50	WSW 76	SW 58	SW 56	WNW 40	NW *56	NW 47	NNW*34	SSW 41	W 53	W 45	WSW*76
48	WSW 44	WSW 58	SW 75	WNW 48	ESE 52	W 56	WSW 45	WNW 38	SW 28	W 56	WNW 59	SW 47	SW 75
49	WSW 63	NW 52	WSW 42	WSW 57	WSW 48	WSW 43	WSW 43	NNW 48	NNW 54	WNW 39	WNW 43	W 51	WSW 63
50	WNW 56	SSW 35	WSW 50	W 54	SSW 39	W 66	SSW 56	N 26	WNW 43	NW 42	WSW 56	W 42	W 66
51	WNW 58	SSE 40	WSW 50	W 42	NW 62	WNW 62	N 43	WNW 49	WSW 45	WSW 46	SSE 58	WSW 56	NW 62
52	WSW 58	W 65	WSW 56	W 46	SW 46	WNW 31	N 47	WNW 62	NW 45	WNW 47	S 49	WNW 37	W 65
53	NNW 43	WSW 48	W 50	WSW 57	NNE 68	N 45	NW 39	WSW 48	WNW*29	NW 33	WSW 38	SW 52	NNE*68
54	WSW 41	SW 38	W 58	SW *42	WNW 44	WSW 52	WNW 54	NW 50	WNW 57	WNW 42	W 39	WSW 39	W *58
55	NW 36	NW 30	W 70	SW 48	W 50	W *31	ESE 38	N *35	WSW 47	NW 44	W 49	WSW 41	W *70
56	N 33	NNW 85	WSW*61	SW 47	NW 43	SE *41	NW *41	SW *38	SW 39	WNW 36	WSW 50	SW 43	NNW*85
57	WSW 35	W 31	S 36	WSW 40	SW 37	NNW 35	NW 31	SSW 28	WSW 33	S *32	SW 43	SSE 34	SW *43
58	WSW 29	SW 33	NE 27	WNW 52	W *38	NW 45	SW 47	WSW 42	SW 31	W *32	NW 34	W 24	WNW*52
59	SW 39	SSW 45	S 50	SSW 40	SSE 30	W 30	W 33	WSW 39	S 25	SW 33	SSW 36	W *28	S *50
60	WSW 32	SW 35	SW 38	W 43	SW 42	SSW 33	WNW 34	NW 38	SSE 24	WSW 29	SW 33	NNE 27	W 43
61	SW 29	NW 40	WNW 39	WNW 41	SW 33	SW 31	W 28	W 26	WNW 36	WSW*18	WSW*32	W *22	WNW*41
62	SSW*34	WNW*38	E 35	WNW 38	S 44	NW 30	W 32	SSW 25	N 22	W 33	NW 35	W 35	S *44
63	WSW 27	WSW 40	W 42	W 46	W *33	NW *23	SSW*33	NNW*34	NW 26	SW *28	S *33	SSW 34	W *46
64	WNW*41	W 28	W *42	WSW*38	WNW*31	W *44	NNW*27	SW *37	SW *30	SSW*34	SW *42	W *27	W *44
65	W *43	N *32	W *36	N *41	SW *40	ESE 41	W 34	W 46	SSE 33	W *50	WNW*49	WSW*36	W *50
66	WNW*29	N 32	W 38	WNW*42	NNW*32	NNE 37	NNE 44	S 52	W 33	S 30	N 39	W 36	S *52
67	SW 35	W 56	NNW 39	W 41	WNW 43	W 25	NNE 30	W 26	N 28	W 41	WNW 32	W 33	W 56
68	WNW 33	WNW 35	WSW 34	WNW 35	NW 35	WSW 36	25/ 29	24/ 32	25/ 22	31/ 32	23/ 48	25/ 46	23/ 48
69	26/ 39	26/ 32	21/ 50	31/ 40	22/ 50	28/ 46	34/ 39	36/ 36	32/ 26	27/ 31	24/ 41	26/ 32	21/ 50
70	27/ 39	21/ 40	24/ 48	27/ 57	28/ 57	22/ 36	28/ 50	26/ 31	26/ 53	29/ 34	26/ 42	27/ 53	27/ 57

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
71	28/ 57	28/ 52	27/ 46	22/ 35	20/ 49	06/ 35	24/ 33	33/ 26	24/ 28	27/ 27	31/ 36	24/ 50	28/ 57
72	28/ 44	24/ 40	22/ 45	27/ 48	18/ 32	34/ 28	22/ 44	33/ 41	33/ 27	26/ 28	22/ 31	22/ 39	27/ 48
73	24/ 41	27/ 38	21/ 41	19/ 41	21/ 36	32/ 45	30/ 33	33/ 45	22/ 30	30/ 35	24/ 40	32/ 44	32/ 45
74	21/ 64	24/ 48	22/ 40	24/ 48	29/ 40	22/ 48	28/ 36	05/ 36	23/ 44	23/ 33	27/ 36	26/ 31	21/ 64
75	23/ 50	27/ 47	24/ 51	25/*49	27/ 26	34/ 42	24/ 38	34/ 29	26/ 46	02/ 35	27/ 40	25/ 36	24/*51
76	26/ 43	21/ 38	26/ 42	23/ 31	23/ 37	24/ 38	26/ 56	32/ 31	35/ 30	26/ 34	22/ 33	29/ 38	26/ 56
77	25/ 46	23/ 42	27/ 41	27/ 42	34/ 28	30/ 45	28/ 45	18/ 27	22/ 42	30/ 28	26/ 33	25/ 40	25/ 46
78	27/ 58	20/ 27	24/ 33	27/ 35	21/ 31	30/ 41	33/ 42	24/*38	20/ 35	31/ 32	19/ 42	21/ 41	27/*58
79	26/ 35	03/ 36	23/ 43	30/ 40	35/ 34	26/ 41	06/*17	20/*18	35/*25	25/ 40	21/ 39	27/ 44	27/*44
80	30/ 44	36/ 43	21/ 40	24/ 46	27/ 49	33/ 45	31/ 46	32/ 36	01/ 44	28/ 33	25/ 34	35/ 38	27/ 49
81	25/ 29	26/ 32	26/ 36	26/ 37	23/ 28	22/ 28	27/ 41	06/ 22	24/ 25	26/ 35	24/ 33	21/ 32	27/ 41
82	24/ 51	27/ 28	20/ 36	26/ 45	34/ 42	05/ 33	21/ 34	02/ 21	18/ 22	20/ 24	20/ 32	23/ 40	24/ 51
83	27/ 35	26/ 29	24/ 38	21/ 34	28/ 40	29/ 23	27/ 37	21/ 23	28/ 28	26/ 36	21/ 40	29/ 40	28/ 40
84	32/ 27	21/ 34	23/ 42	22/ 46	28/ 29	24/ 38	30/ 25	34/ 70	23/ 26	24/ 24	25/ 33	27/ 38	34/ 70
85	26/ 37	28/ 30	22/ 49	27/ 43	26/ 38	33/ 53	27/*24	26/ 24	03/ 28	30/ 32	27/ 30	25/ 40	33/*53
86	27/ 33	07/ 29	24/ 39	34/ 46	33/ 37	32/ 41	24/ 44	26/ 29	22/ 37	23/ 30	27/ 29	22/ 27	34/ 46
87	27/ 29	31/ 37	25/ 39	34/ 37	29/ 29	30/ 35	34/ 29	32/ 34	32/ 32	32/ 28	23/ 34	23/ 56	23/ 56
88	27/ 38	21/ 44	27/ 41	29/ 34	25/ 34	03/ 27	25/ 52	25/ 25	24/ 22	22/ 36	20/ 36	21/ 31	25/ 52
89	25/ 33	28/ 31	29/ 35	28/ 32	29/ 40	27/ 39	36/ 29	28/ 32	36/ 26	28/ 29	27/ 36	32/ 33	29/ 40
90	23/ 48	29/ 41	22/ 36	23/ 40	26/ 38	33/ 36	31/ 40	12/ 48					23/*48
GREATEST	21/ 64	NNW 85	WSW 76	SW 58	NNE 68	W 66	NW 56	34/ 70	WNW 57	W 56	WNW 59	WNW 56	NNW 85
TOTAL OBS	1350	1247	1362	1308	1348	1301	1321	1325	1263	1305	1266	1305	15701

THE PEAK WIND OF 85 FROM NNW OCCURRED ON 02/25/56

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN	MEDIAN	TOT
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	OB
JAN	.1	5.0	17.9	23.6	21.6	14.7	8.2	4.9	2.9	1.2	.0	21.6	20.0	13
FEB	.0	4.0	20.5	24.3	22.1	11.9	8.8	4.0	3.4	.6	.2	21.2	20.0	12
MAR	.0	2.1	14.3	23.5	23.8	13.2	11.2	6.2	4.0	1.5	.2	23.2	21.0	13
APR	.0	1.0	14.0	23.2	22.8	15.6	10.7	7.0	5.2	.6	.0	23.4	22.0	13
MAY	.0	2.9	19.6	29.2	22.5	12.1	7.6	3.4	2.2	.6	.1	20.7	19.0	13
JUN	.0	4.0	24.4	30.1	19.1	10.8	5.5	3.0	2.6	.5	.1	19.7	18.0	13
JUL	.2	7.0	34.1	29.1	15.6	6.1	4.5	1.7	1.4	.5	.0	17.4	16.0	13
AUG	.4	6.8	38.7	29.4	14.1	5.7	2.1	1.4	.9	.4	.1	16.5	15.0	13
SEP	.3	7.4	34.5	28.7	17.7	5.9	3.3	.9	1.1	.2	.0	17.0	16.0	12
OCT	.5	7.3	27.7	28.9	20.2	8.1	4.1	1.8	1.1	.2	.0	17.9	17.0	13
NOV	.2	6.6	20.1	23.1	20.1	14.7	8.3	3.0	3.3	.5	.0	20.7	19.0	12
DEC	.2	4.5	21.3	23.3	22.2	13.6	7.8	3.7	2.5	.8	.0	20.7	20.0	13
ANNUAL	.2	4.9	23.9	26.4	20.2	11.1	6.9	3.4	2.5	.6	.1	20.0	18.0	157

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.9	.2									4.9	4.5	4.0
020-040	3.2	1.1		.1								4.4	4.3	4.0
050-070	1.4	1.2	.2									2.8	5.3	5.0
(E) 080-100	.8	1.4										2.2	5.6	6.0
110-130	1.0	.9										1.8	4.1	4.0
140-160	2.5	2.4	.5	.1								5.5	5.2	5.0
(S) 170-190	2.6	3.3	.8	.1								6.8	5.9	5.0
200-220	3.9	3.1	3.5	.8								11.3	7.5	6.0
230-250	2.7	8.0	4.8	1.0	.2							16.7	8.2	8.0
(W) 260-280	1.9	4.1	3.4	.8	.9							11.1	9.5	9.0
290-310	2.8	3.4	3.7	.5	.2							10.6	8.4	8.0
320-340	1.5	2.4	1.3	.3								5.5	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											16.5	////////	
TOTALS	27.1	33.2	18.4	3.7	1.3							100.0	6.0	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.0	.4									4.2	5.4	5.0
020-040	2.7	1.4										4.1	3.7	3.0
050-070	1.6	1.0	.5	.2								3.3	6.6	5.0
(E) 080-100	1.0	1.1										2.0	4.6	5.0
110-130	2.0	.8	.1									2.9	4.2	4.0
140-160	2.7	1.1	.2									4.0	4.4	4.0
(S) 170-190	3.4	3.9	1.2	.3	.1							8.9	6.3	6.0
200-220	2.9	3.3	3.2	.6								10.1	7.6	7.0
230-250	3.1	7.7	3.7	.4								14.9	7.5	7.0
(W) 260-280	2.2	4.5	4.4	1.4	.8							13.2	9.6	9.0
290-310	2.7	3.0	2.2	.8		.1						8.7	7.8	7.0
320-340	1.7	2.6	1.6	.3								6.2	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											17.3	////////	
TOTALS	27.7	32.4	17.5	4.0	.9	.1						100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.9	.3	.1								4.4	5.1	5.0
020-040	1.5	1.2	.3									3.0	5.3	4.5
050-070	1.5	.8	.5	.1								2.9	5.7	4.0
(E) 080-100	.8	1.5	.2									2.5	6.0	6.0
110-130	1.5	1.3										2.8	4.0	3.5
140-160	4.0	1.7	.3									6.0	3.9	3.5
(S) 170-190	3.4	4.1	1.0									8.5	5.9	6.0
200-220	2.2	4.0	2.2	.5								8.8	7.6	7.0
230-250	3.7	6.5	3.5	.8	.2							14.6	7.6	7.0
(W) 260-280	2.3	5.5	4.7	1.8	.4							14.7	9.2	8.0
290-310	1.7	3.0	2.3	.2								7.2	7.6	8.0
320-340	2.4	2.2	2.2	.2								6.9	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////	
TOTALS	27.0	33.7	17.5	3.7	.6							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.0	.4	.1								4.7	6.4	6.0
020-040	1.7	1.4	.4									3.5	5.1	5.0
050-070	.9	1.8	.2	.1								3.0	6.4	6.0
(E) 080-100	1.8	1.4	.5	.1								3.9	5.9	5.0
110-130	1.3	1.3	.4									3.0	5.6	5.0
140-160	3.8	2.2	.8									6.7	5.3	4.0
(S) 170-190	1.7	3.8	1.3	.4								7.2	7.3	6.0
200-220	3.0	6.9	3.7	.5	.1							14.2	7.9	8.0
230-250	2.4	5.4	3.5	2.0	.2	.1						13.7	9.2	8.0
(W) 260-280	2.4	6.2	6.6	1.3	.9							17.3	9.7	10.0
290-310	1.4	4.0	1.8	.2								7.4	7.8	8.0
320-340	1.7	2.5	1.9	.2	.1							6.5	7.8	8.0
VARIABLE														
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	23.3	39.9	21.5	4.9	1.3	.1						100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.4	1.3									5.9	7.0	7.0
020-040	1.1	1.3	.5									2.9	6.1	6.0
050-070	.5	1.2	.4									2.2	6.5	6.0
(E) 080-100	1.2	1.5	.9									3.5	6.7	7.0
110-130	1.2	1.9	.2	.1								3.4	5.8	6.0
140-160	1.6	1.9	1.0	.2								4.7	7.0	6.5
(S) 170-190	.8	3.0	2.2	.6	.1							6.7	9.2	9.0
200-220	2.4	4.9	5.5	1.4	.5	.3						15.1	9.7	10.0
230-250	1.8	6.2	5.8	1.6	1.2	.5	.1	.1				17.4	10.7	10.0
(W) 260-280	1.3	5.3	7.2	2.6	1.5							17.8	11.0	10.5
290-310	1.3	4.3	4.6	.4	.1							10.8	9.0	9.0
320-340	.9	3.0	2.4	.1	.1							6.5	8.5	9.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////	
TOTALS	15.3	37.9	32.0	7.0	3.5	.8	.1	.1				100.0	8.9	9.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	3.8	.9									6.2	6.5	6.0
020-040		.8	1.5	.4									2.7	6.2	6.0
050-070		1.4	1.3	.3									3.0	5.1	5.0
(E) 080-100		1.6	1.7	.3									3.7	5.8	5.0
110-130		1.3	2.3	1.2									4.7	6.7	7.0
140-160		.4	1.8	1.0									3.2	7.3	7.0
(S) 170-190		1.5	3.8	2.8	.2								8.3	7.9	8.0
200-220		2.0	6.3	4.1	1.1	.6							14.2	9.1	8.0
230-250		2.2	5.5	5.4	1.6	1.1	.3						16.0	10.3	10.0
(W) 260-280		.9	5.7	6.6	2.9	.4							16.5	10.7	10.0
290-310		1.0	4.8	3.2	1.3	.6							11.0	10.2	9.0
320-340		1.6	4.1	2.7	.3	.1							8.8	7.8	8.0
VARIABLE															
CALM		////////////////////////////////////										1.7	////////////////////////////////		
TOTALS		16.3	42.6	28.9	7.4	2.8	.3						100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.4	.3									6.2	4.6	4.0
020-040	2.4	1.3	.5									4.2	5.2	4.0
050-070	1.1	1.2	.1									2.4	5.1	6.0
(E) 080-100	1.2	.8	.3									2.3	5.2	4.0
110-130	2.0	2.6	.5									5.2	5.6	5.0
140-160	2.2	1.9	.2									4.3	5.0	4.5
(S) 170-190	3.0	5.1	1.2	.1								9.4	6.0	6.0
200-220	3.9	5.8	3.2	.9								13.8	7.3	6.0
230-250	3.0	3.9	3.5	.3	.5	.8	.1					12.2	9.5	8.0
(W) 260-280	1.7	5.7	3.2	.5	.2							11.4	8.5	8.0
290-310	1.5	4.6	3.5	1.4	.2							11.3	9.5	9.0
320-340	2.4	3.5	1.6	.4								8.0	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											9.6	////////	
TOTALS	27.9	38.8	18.1	3.6	.9	.8	.1					100.0	6.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.5										3.9	4.2	4.0
020-040	2.8	2.0	1.0									5.8	5.5	5.0
050-070	1.6	.8	.2									2.6	4.5	3.5
(E) 080-100	1.1	1.2	.1									2.4	5.0	5.0
110-130	1.0	1.5	.2									2.7	5.6	5.0
140-160	2.4	1.9	.6									4.9	5.6	5.0
(S) 170-190	3.1	4.4	1.1	.1								8.7	6.0	5.0
200-220	4.4	4.2	3.4	.6								12.7	6.8	6.0
230-250	2.0	4.7	3.5	1.1	.4							11.8	9.3	9.0
(W) 260-280	2.7	5.4	2.0	2.0	.8							12.9	9.2	8.0
290-310	1.7	3.5	2.5	1.4	.1							9.2	9.2	8.0
320-340	2.4	2.4	1.8	.1								6.7	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											15.7	////////	
TOTALS	27.6	33.5	16.4	5.3	1.3							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.1	2.5	.5	.0							5.1	5.5	5.0
020-040	2.0	1.4	.4	.0							3.8	5.1	4.0
050-070	1.3	1.1	.3	.1							2.8	5.7	5.0
(E) 080-100	1.2	1.3	.3	.0							2.8	5.7	5.0
110-130	1.4	1.6	.3	.0							3.3	5.4	5.0
140-160	2.4	1.9	.6	.0							4.9	5.3	5.0
(S) 170-190	2.4	3.9	1.4	.2	.0						8.1	6.7	6.0
200-220	3.1	4.8	3.6	.8	.2	.0					12.5	8.0	8.0
230-250	2.6	6.0	4.2	1.1	.5	.2	.0	.0			14.7	9.1	8.0
(W) 260-280	1.9	5.3	4.8	1.7	.7						14.4	9.8	9.0
290-310	1.8	3.8	3.0	.8	.2	.0					9.5	8.8	8.0
320-340	1.8	2.8	1.9	.3	.0						6.9	7.5	7.0
VARIABLE													
CALM	////////////////////////////////////										11.3	////////////////////////////////	
TOTALS	24.0	36.4	21.3	5.0	1.6	.2					100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	3.1	.9									4.5	7.2	7.0
020-040	1.9	1.4	.2	.1								3.6	5.0	4.0
050-070	1.5	1.3	.8	.3								3.9	7.3	7.0
(E) 080-100	1.9	1.9	.3	.1								4.3	5.4	5.0
110-130	1.7	2.5	.7									4.9	6.0	6.0
140-160	1.6	1.7	1.0	.1								4.3	6.5	6.0
(S) 170-190	1.6	1.9	1.8	.1								5.3	7.3	7.0
200-220	1.5	4.2	4.0	.3								9.9	8.4	8.0
230-250	1.9	9.3	5.7	.3	.4	.3	.1					18.1	8.9	8.0
(W) 260-280	2.1	6.0	5.6	.9	.9							15.4	9.4	9.0
290-310	2.2	4.1	3.5	1.1	.2	.1						11.2	8.9	8.0
320-340	1.6	3.4	3.1	.7								8.8	8.5	8.0
VARIABLE														
CALM	////////////////////////////////////											5.7	////////////////////////////////	
TOTALS	20.0	40.8	27.6	4.0	1.5	.4	.1					100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 1290

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.9	.6	.2								6.9	6.0	5.0
020-040	2.8	3.3	1.2									7.3	6.2	6.0
050-070	2.6	3.0	1.3	.1								7.0	6.5	6.0
(E) 080-100	.9	1.3	.1									2.4	5.3	5.5
110-130	2.0	1.1										3.1	4.0	3.5
140-160	4.1	1.2	.5	.1								5.9	4.2	4.0
(S) 170-190	2.1	2.3	.1	.4								4.9	5.6	5.0
200-220	3.1	3.2	1.9	.4								8.5	6.6	6.0
230-250	2.6	4.4	2.3	.7								10.0	7.6	8.0
(W) 260-280	1.4	3.7	2.5	1.1								8.6	8.7	8.0
290-310	2.6	4.5	2.5	.1								9.7	7.1	7.0
320-340	2.4	2.3	1.5	.1								6.3	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											19.4	////////	
TOTALS	28.7	34.2	14.5	3.2								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 844

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	3.7	1.1	.1								6.8	6.5	6.0
020-040	2.3	4.0	1.8	.1								8.2	7.2	7.0
050-070	2.4	2.6	.9	.2								6.2	6.5	6.0
(E) 080-100	1.3	1.7	.5									3.4	5.6	6.0
110-130	1.5	.9	.1									2.6	4.1	4.0
140-160	3.0	1.1	.4									4.4	4.4	3.0
(S) 170-190	1.7	1.8	.5	.1	.1							4.2	6.5	5.0
200-220	4.0	3.6	2.7	.1								10.4	6.3	5.0
230-250	2.0	3.4	2.4	.1								7.9	7.5	7.0
(W) 260-280	1.8	3.3	2.8	.6								8.5	8.2	8.0
290-310	1.9	4.4	1.7	.4								8.3	7.4	7.5
320-340	2.8	2.5	.9									6.3	5.7	5.0
VARIABLE														
CALM	////////////////////////////////////											22.8	////////	
TOTALS	26.6	33.0	15.8	1.7	.1							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.2	2.1									7.6	6.9	7.5
020-040	3.4	2.2	1.4									7.1	6.0	5.0
050-070	2.1	3.2	1.1	.2								6.6	6.6	6.0
(E) 080-100	1.8	1.4	.4	.1								3.7	5.6	5.0
110-130	1.3	.8	.4									2.5	4.8	4.0
140-160	3.4	1.4	.1									5.0	4.1	3.5
(S) 170-190	3.3	2.5	.4									6.2	4.5	4.0
200-220	2.1	4.6	1.8	.1								8.6	7.2	6.0
230-250	1.9	4.4	2.5	.6	.1							9.5	7.9	8.0
(W) 260-280	2.2	3.2	2.2	.9	.2							8.9	8.3	8.0
290-310	2.5	4.7	1.4									8.6	6.5	7.0
320-340	2.0	1.8	.6									4.4	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											21.4	////////	
TOTALS	28.2	33.4	14.4	1.9	.3							100.0	5.1	6.0
TOTAL NUMBER OF OBSERVATIONS 845														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.1	2.7	.2								7.2	8.3	9.0
020-040	2.0	3.5	1.3	.4								7.2	7.1	7.0
050-070	1.9	2.8	.7	.5	.2							6.1	7.5	6.5
(E) 080-100	1.2	2.7	.2	.1								4.3	6.2	6.0
110-130	1.7	2.4	.4									4.4	5.9	6.0
140-160	4.4	3.0	.5	.1								7.9	4.6	4.0
(S) 170-190	1.8	2.6	1.4	.2	.1							6.1	7.3	6.0
200-220	2.5	5.0	3.1	.4	.1							11.0	7.8	8.0
230-250	1.2	3.9	3.9	.7	.2							9.9	9.3	9.0
(W) 260-280	1.8	4.6	3.5	1.2	.5							11.6	9.2	9.0
290-310	1.8	3.7	2.0	.2	.1	.1						7.9	7.7	7.0
320-340	.8	3.7	.5		.1							5.1	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											11.2	////////	
TOTALS	22.3	41.0	20.2	4.0	1.3	.1						100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.9	1.8	.5								7.9	7.8	8.0
020-040	.7	2.4	1.9	.6								5.6	9.2	9.0
050-070	1.9	2.5	.9	.2	.1							5.7	6.8	6.0
(E) 080-100	1.4	1.8	.2	.2								3.7	6.4	6.0
110-130	1.4	3.1	.4									4.8	5.6	6.0
140-160	2.2	3.1	.6									5.9	5.5	5.0
(S) 170-190	2.2	3.3	1.2	.2								7.0	6.8	6.0
200-220	2.8	3.8	4.1	1.2	.5	.1						12.5	9.2	9.0
230-250	1.8	4.4	4.0	.9	.5							11.6	9.3	9.0
(W) 260-280	1.2	4.1	5.1	1.8	.6							12.8	10.4	10.0
290-310	1.9	3.4	4.1	.6	.5	.1						10.6	9.5	9.5
320-340	1.8	3.3	2.4	.1								7.6	7.7	8.0
VARIABLE														
CALM	////////////////////////////////////											4.4	////////////////////////////////	
TOTALS	21.1	39.1	26.7	6.3	2.2	.2						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.9	2.5	.5								9.0	7.6	7.5
020-040	1.2	3.2	1.3	.1								5.8	7.2	7.0
050-070	1.1	3.3	1.2	1.1								6.6	8.5	8.0
(E) 080-100	.8	2.4	.1	.1								3.4	6.1	6.0
110-130	2.0	2.2	.9									5.2	6.0	6.0
140-160	2.1	2.4	.4	.2								5.1	5.4	5.0
(S) 170-190	2.4	3.0	1.4									6.7	6.3	6.0
200-220	1.9	4.7	4.4	1.1	.2							12.3	9.0	9.0
230-250	1.5	3.9	2.7	.8	.5							9.5	9.2	8.0
(W) 260-280	1.1	3.4	6.7	2.6	.2	.1						14.2	11.1	11.0
290-310	1.8	3.3	4.1	.6		.2						10.0	9.2	9.0
320-340	1.8	5.4	1.7	.2	.2							9.3	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											2.8	////////////////////////////////	
TOTALS	19.8	41.1	27.4	7.3	1.1	.3						100.0	8.1	8.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.2	1.4	.2								7.0	6.7	6.0
020-040	2.8	3.7	1.8	.1								8.4	6.7	7.0
050-070	2.5	3.2	1.5	.2								7.4	6.7	6.0
(E) 080-100	1.9	1.2	.2									3.3	4.8	4.0
110-130	2.0	1.5	.5									4.0	5.4	4.5
140-160	3.5	1.3	.4									5.2	4.2	4.0
(S) 170-190	2.4	3.8	1.9	.1								8.2	6.6	6.0
200-220	3.5	2.6	2.0	.4								8.5	6.5	5.5
230-250	2.6	3.3	2.2	.5								8.6	7.2	6.0
(W) 260-280	1.4	3.5	3.2	.9								9.1	9.0	8.0
290-310	3.4	4.7	3.1	.6	.4							12.2	7.9	8.0
320-340	2.1	3.8	.5	.2								6.6	6.4	6.0
VARIABLE														
CALM	////////////////////////////////////											11.5	////////	
TOTALS	30.2	35.8	18.7	3.2	.4							100.0	6.0	6.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.7	1.9	.4	.2								5.2	5.3	4.0
020-040		3.2	3.8	1.9	.2								9.1	6.8	6.0
050-070		2.0	3.8	.9									6.7	6.5	6.0
(E) 080-100		.9	.7	.4									2.0	5.4	5.0
110-130		1.7	.7	.4									2.7	4.6	3.0
140-160		2.4	1.2	.5									4.0	4.7	4.0
(S) 170-190		1.9	4.1	.9	.1								7.1	6.5	6.0
200-220		3.8	3.1	1.7	.1								8.6	5.9	5.0
230-250		2.2	2.1	2.7	.4	.1							7.6	7.6	7.0
(W) 260-280		1.7	4.3	2.1	.8								8.9	8.5	8.0
290-310		3.1	3.3	2.5	.6								9.5	7.3	7.0
320-340		2.4	4.3	.9	.4								7.9	6.7	7.0
VARIABLE															
CALM		////////////////////////////////////										20.7	////////////////////////////////		
TOTALS		28.0	33.3	15.3	2.8	.1							100.0	5.3	6.0
TOTAL NUMBER OF OBSERVATIONS 846															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.0	3.3	1.6	.3								7.2	7.0
020-040	2.3	3.3	1.6	.2								7.3	7.0
050-070	2.1	3.0	1.1	.3	.0							6.6	6.0
(E) 080-100	1.3	1.6	.3	.1								3.3	5.7
110-130	1.7	1.6	.4									3.7	5.2
140-160	3.1	1.8	.4	.1								5.4	4.6
(S) 170-190	2.2	2.9	1.0	.1	.0							6.3	6.3
200-220	3.0	3.8	2.7	.5	.1	.0						10.1	7.5
230-250	2.0	3.7	2.8	.6	.2							9.3	8.3
(W) 260-280	1.6	3.8	3.5	1.2	.2	.0						10.3	9.4
290-310	2.4	4.0	2.7	.4	.1	.1						9.6	7.9
320-340	2.0	3.4	1.1	.1	.0							6.7	6.8
VARIABLE													
CALM	////////////////////////////////////										14.3	////////////////////////////////	
TOTALS	25.7	36.2	19.2	3.9	.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 6762

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	6.5	3.5	.3								12.5	7.5	8.0
020-040	1.9	5.8	3.1	.3								11.1	7.9	8.0
050-070	2.5	4.8	1.5	.6	.1							9.5	7.4	7.0
(E) 080-100	1.8	1.5	.5	.4								4.1	6.3	5.0
110-130	1.3	1.8	.8									4.0	6.3	6.0
140-160	1.6	1.2	.3	.1								3.2	5.1	4.5
(S) 170-190	2.5	1.7	1.2	.1	.1							5.6	6.6	5.0
200-220	2.9	3.6	2.3	.4	.1							9.3	7.3	7.0
230-250	1.5	4.4	1.9	.6	.1							8.4	8.1	8.0
(W) 260-280	1.1	3.7	3.6	1.2	.3	.1						9.8	9.9	10.0
290-310	1.6	3.6	2.0	.2	.1	.1						7.6	7.7	8.0
320-340	1.9	3.8	1.2	.1	.1							7.1	7.2	8.0
VARIABLE														
CALM	////////////////////											7.7	////////	
TOTALS	22.8	42.4	21.9	4.3	.9	.2						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1424

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.7	.9	.3								6.7	6.4	5.0
020-040	3.2	2.5	.8	.8								7.2	6.3	5.0
050-070	1.9	4.0	1.3									7.2	6.4	6.0
(E) 080-100	2.0	3.3	.4									5.8	5.4	6.0
110-130	1.9	1.6										3.5	4.2	4.0
140-160	2.7	1.6		.1								4.4	4.3	4.0
(S) 170-190	1.9	1.7	1.3	.3	.1							5.4	7.6	6.0
200-220	2.7	3.1	1.4	.4	.3							8.0	7.4	7.0
230-250	1.9	2.0	.9	.3	.2							5.4	7.4	7.0
(W) 260-280	2.2	3.4	1.4	.6	.2							7.8	7.7	6.0
290-310	2.0	3.5	1.5	.3	.2							7.6	7.5	7.0
320-340	2.7	3.5	1.5	.1								7.8	6.4	6.0
VARIABLE														
CALM	////////////////////////////////////											23.1	////////////////////////////////	
TOTALS	27.9	32.9	11.4	3.2	1.0							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 03-05

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.6	1.7	1.7	.3								6.3	7.3	7.0
020-040		2.5	2.5	1.4	.3								6.7	6.6	6.0
050-070		2.8	4.5	.6	.1								8.1	5.7	6.0
(E) 080-100		1.4	3.3	.1									4.8	5.7	6.0
110-130		1.9	1.2	.4									3.5	4.7	4.0
140-160		2.0	1.3	.1									3.4	4.3	4.0
(S) 170-190		3.5	1.8	.5	.2								6.1	5.3	4.0
200-220		2.3	3.0	1.1	.2								6.6	6.8	6.0
230-250		2.2	2.0	1.2	.5	.1							6.0	7.3	6.0
(W) 260-280		2.2	2.3	2.5	.4	.5							7.8	8.8	8.0
290-310		2.6	2.4	2.0	.3	.4							7.7	8.1	7.0
320-340		3.2	2.0	1.6									6.9	6.1	5.0
VARIABLE															
CALM		////////////////////////////////////										25.9	////////		
TOTALS		29.2	28.0	13.2	2.3	1.0							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.2	1.3	.6								6.2	7.0	4.5
020-040	2.8	2.6	1.9	.4								7.7	7.0	6.0
050-070	2.6	3.7	1.2									7.4	6.3	6.0
(E) 080-100	1.0	3.7	.3	.1	.1							5.2	6.7	6.0
110-130	1.7	1.2	.2									3.1	4.2	4.0
140-160	3.2	1.5	.3									5.1	4.3	4.0
(S) 170-190	3.3	2.6	.5	.1								6.6	5.2	4.0
200-220	3.0	3.8	2.7	.3								9.8	6.9	6.0
230-250	1.9	1.4	1.5	.2		.1						5.2	7.5	7.0
(W) 260-280	1.2	1.3	1.9	.6								5.1	8.8	10.0
290-310	3.3	3.5	2.0	.6	.2							9.8	7.4	7.0
320-340	3.0	2.6	.8	.3								6.7	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											22.3	////////	
TOTALS	30.1	29.1	14.6	3.2	.3	.1						100.0	5.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.7	1.8	.4								8.2	7.3	6.0
020-040	2.6	2.5	1.8	.4								7.3	7.2	6.0
050-070	2.0	2.7	2.4	.3	.1							7.5	7.9	8.0
(E) 080-100	1.8	3.4	2.3	.1								7.6	7.6	8.0
110-130	1.1	3.0	.3									4.4	6.1	6.0
140-160	3.0	3.7	1.3									8.0	5.6	5.0
(S) 170-190	2.2	3.2	.9	.3								6.6	6.6	6.0
200-220	2.0	3.0	3.8	1.6	.4							10.9	9.7	10.0
230-250	.9	3.7	3.9	1.0	.3							9.7	10.0	10.0
(W) 260-280	.6	1.8	3.0	1.6	.3	.1						7.5	11.3	12.0
290-310	1.7	3.3	2.6	.4	.1							8.2	8.3	8.0
320-340	2.4	4.2	2.6	.1								9.2	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											4.9	////////////////////////////////	
TOTALS	22.6	38.2	26.7	6.2	1.2	.1						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.4	3.5	2.4									8.3	7.0	7.0
020-040		1.6	2.3	1.5	.3	.1							5.8	8.2	8.0
050-070		1.0	2.2	2.2	.2	.1							5.6	8.5	9.0
(E) 080-100		.2	2.9	1.8	.1								5.1	8.7	9.0
110-130		.9	3.9	1.2									5.9	7.1	7.0
140-160		1.9	1.7	1.2									4.8	6.4	7.0
(S) 170-190		1.6	2.2	1.7	.1								5.6	7.0	7.0
200-220		1.4	3.4	5.5	2.0	1.0	.1						13.4	11.0	11.0
230-250		1.5	3.7	4.8	1.6	1.1							12.7	11.2	10.0
(W) 260-280		1.3	3.1	4.1	2.2	.9							11.5	11.2	12.0
290-310		1.2	3.1	3.8	1.0	.1							9.1	9.5	10.0
320-340		2.5	4.7	3.0	.2								10.4	7.4	6.0
VARIABLE															
CALM		////////////////////////////////////										1.7	////////////////////////////////		
TOTALS		17.5	36.7	33.2	7.7	3.3	.1						100.0	8.9	9.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	4.5	1.6	.1								8.5	6.5	6.0
020-040	2.3	2.3	1.8	.4	.3							7.1	8.2	7.0
050-070	1.0	2.5	2.5	.1								6.0	8.5	8.5
(E) 080-100	1.0	4.0	1.4									6.3	7.4	8.0
110-130	.9	1.9	1.0									3.8	6.7	6.0
140-160	.8	1.8	1.0	.1								3.7	7.6	8.0
(S) 170-190	1.4	1.8	2.3	.5	.1							6.1	8.9	9.0
200-220	1.6	1.9	3.9	1.5	.8							9.7	10.8	11.0
230-250	1.7	3.3	3.5	2.2	1.2	.1						12.0	11.1	10.0
(W) 260-280	.8	3.5	5.2	2.2	.9							12.5	11.1	10.5
290-310	1.4	4.2	5.5	.1	.2							11.4	9.1	10.0
320-340	1.6	6.5	2.6	.9								11.5	7.9	8.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	16.8	38.2	32.3	8.1	3.5	.1						100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.2	.6									7.5	5.4	5.0
020-040	1.8	3.0	2.7	.6	.1							8.3	8.4	8.0
050-070	3.2	4.4	1.4									9.0	6.3	6.0
(E) 080-100	2.3	3.3	.2									5.8	5.3	6.0
110-130	2.3	1.8	.3									4.4	4.9	4.0
140-160	1.4	1.7	.2									3.3	5.6	5.0
(S) 170-190	1.7	2.7	1.8	.4	.1							6.8	8.1	8.0
200-220	2.8	3.8	1.5	.4	.1							8.6	7.3	7.0
230-250	2.9	2.5	2.0	.6	.4	.1						8.6	8.4	7.0
(W) 260-280	1.8	3.1	4.4	.8	.2							10.3	9.3	10.0
290-310	2.2	4.7	2.9	.1								9.9	7.3	7.0
320-340	4.5	5.1	1.9	.1								11.6	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											5.8	////////////////////////////////	
TOTALS	30.6	39.3	19.9	3.0	.9	.1						100.0	6.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.9	.6		.2							6.3	5.9	5.0
020-040	3.2	4.8	1.4	.5								10.0	6.7	6.0
050-070	2.5	4.2	1.6	.2								8.5	6.6	6.0
(E) 080-100	1.9	2.6	.3									4.8	5.4	5.0
110-130	2.2	1.3										3.4	4.1	4.0
140-160	2.9	1.8	.3	.2								5.3	5.1	4.0
(S) 170-190	1.4	1.7	1.6	.3	.2							5.3	8.6	8.0
200-220	1.8	2.9	2.2	.1								7.0	7.4	8.0
230-250	2.7	1.4	1.3	.8	.1							6.2	7.4	6.0
(W) 260-280	1.7	3.1	1.7	.8	.4							7.7	8.8	8.0
290-310	2.7	3.1	1.6	.2								7.6	6.9	7.0
320-340	2.2	4.5	1.2									7.8	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											19.9	////////	
TOTALS	27.8	34.3	13.8	3.1	.9							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.9	1.4	.2	.0							7.3	6.6	6.0
020-040	2.5	2.8	1.7	.5	.1							7.5	7.3	6.0
050-070	2.1	3.5	1.6	.1	.0							7.4	6.9	7.0
(E) 080-100	1.5	3.3	.9	.0	.0							5.7	6.6	6.0
110-130	1.6	2.0	.4									4.0	5.4	5.0
140-160	2.2	1.9	.6	.1								4.7	5.4	5.0
(S) 170-190	2.1	2.2	1.3	.3	.1							6.0	7.1	6.0
200-220	2.2	3.1	2.7	.8	.3	.0						9.2	8.7	8.0
230-250	2.0	2.5	2.4	.9	.4	.0						8.2	9.3	9.0
(W) 260-280	1.5	2.7	3.0	1.1	.4	.0						8.8	9.8	10.0
290-310	2.1	3.5	2.7	.4	.2							8.9	8.1	8.0
320-340	2.8	4.1	1.9	.2								9.0	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											13.1	////////////////////////////////	
TOTALS	25.3	34.5	20.6	4.6	1.5							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	4.7	4.4	1.1	.2							13.1	8.8	8.0
020-040	1.2	5.3	4.0	1.5	.1							12.1	9.4	9.0
050-070	1.4	5.0	4.5	.1								11.0	8.5	9.0
(E) 080-100	3.2	5.2	.9	.1								9.4	6.2	6.0
110-130	2.1	2.5	.2									4.7	4.9	5.0
140-160	.9	1.9	.1									2.9	5.2	6.0
(S) 170-190	1.5	1.2	.2									2.9	5.0	4.0
200-220	.7	1.4	1.5									3.6	8.1	8.0
230-250	1.8	2.6	2.1	.8	.4							7.6	9.0	9.0
(W) 260-280	1.4	1.9	1.6	.4	.2							5.4	8.7	8.0
290-310	2.5	4.5	2.9	.4	.1							10.3	7.8	7.0
320-340	2.1	5.4	3.0	.5								11.0	7.6	7.0
VARIABLE														
CALM	////////////////////											6.1	////////	
TOTALS	21.5	41.6	25.4	4.9	1.0							100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 1011

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	2.1	1.3	.3								6.8	6.3	5.0
020-040	3.9	2.1	.6									6.6	4.6	4.0
050-070	3.1	3.1	.3									6.6	5.3	5.0
(E) 080-100	1.0	.8	.6	.2								2.6	7.0	5.0
110-130	1.2	.7	.2									2.1	5.3	4.0
140-160	2.0	1.0	.2									3.2	4.2	4.0
(S) 170-190	1.6	2.2	1.2	.2								5.2	7.2	6.0
200-220	4.3	2.1	1.1	.6								8.1	5.9	4.0
230-250	2.3	1.9	.6	.4								5.2	6.4	5.0
(W) 260-280	1.4	2.2	1.2	.2	.1							5.2	7.9	8.0
290-310	1.4	3.7	1.7	.1		.1						7.0	7.7	7.0
320-340	2.1	2.4	1.9	.1	.1							6.7	7.4	6.0
VARIABLE														
CALM	////////////////////////////////////											34.8	////////	
TOTALS	27.3	24.3	10.9	2.1	.2	.1						100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.7	1.1	.2								5.4	6.9	6.0
020-040	3.0	1.9	.2									5.1	4.5	4.0
050-070	2.7	2.7										5.3	4.8	4.5
(E) 080-100	1.7	1.6	.6									3.8	6.5	5.5
110-130	1.7	.2	.2									2.1	4.1	3.0
140-160	4.3	1.0										5.3	3.1	2.0
(S) 170-190	2.0	1.6	.3	.1	.2							4.2	6.3	5.0
200-220	3.7	3.0	.7	.6		.1	.1					8.1	6.6	5.0
230-250	2.4	2.0	1.1	.7	.2							6.4	7.8	6.0
(W) 260-280	1.8	1.4	.6	.2	.1							4.1	6.4	5.0
290-310	2.7	2.7	1.2	.6	.2							7.3	7.3	6.0
320-340	2.4	3.8	1.1	.2								7.6	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											35.1	////////	
TOTALS	29.8	24.6	7.1	2.6	.7	.1	.1					100.0	3.9	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.8	2.6	1.4	.1								5.9	6.9	7.0
020-040		3.7	1.8	1.0									6.4	5.3	4.0
050-070		2.1	1.9	.2									4.2	4.7	4.5
(E) 080-100		1.6	2.9	1.2	.1								5.8	6.6	6.0
110-130		1.9	.9										2.8	3.7	3.0
140-160		2.9	1.7		.1								4.7	4.6	4.0
(S) 170-190		1.8	2.0	.6	.2								4.6	6.1	5.0
200-220		4.2	4.1	1.8	.2	.1							10.4	6.4	6.0
230-250		1.6	3.4	1.9	.4	.2	.1						7.7	8.4	7.0
(W) 260-280		1.3	2.1	1.3	.8								5.6	8.2	7.5
290-310		2.7	3.6	1.1	.2	.1							7.7	6.2	5.0
320-340		2.1	2.3	1.8	.1								6.3	7.3	7.0
VARIABLE															
CALM		////////////////////////////////////										28.0	////////////////////////////////		
TOTALS		27.7	29.3	12.3	2.2	.4	.1						100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.6	3.4	.9	.4								6.3	7.3	7.0
020-040	1.8	2.2	1.6	.2								5.8	7.2	6.5
050-070	2.3	2.1	1.1									5.6	6.3	6.0
(E) 080-100	2.6	2.9	1.9	.3	.1							7.8	7.1	6.0
110-130	2.0	2.4	1.1	.2								5.8	6.7	6.0
140-160	1.8	3.0	.6	.1	.1							5.6	6.2	6.0
(S) 170-190	1.4	3.2	1.8	.1								6.6	7.3	8.0
200-220	3.2	4.3	3.0	1.1	.4							12.1	8.3	8.0
230-250	2.0	4.0	3.8	1.0	.4							11.2	9.3	9.0
(W) 260-280	1.2	3.3	3.6	1.4	.2							9.8	10.1	10.0
290-310	.8	3.6	2.8	.8								7.9	9.3	9.0
320-340	2.2	4.9	3.0	.8	.1							11.0	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////										4.7	////////////////////////////////		
TOTALS	22.9	39.3	25.2	6.4	1.3							100.0	7.6	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	2.4	.6	.7	.3							5.4	8.2	6.0
020-040	.6	2.7	1.7	.3	.1							5.3	8.7	8.0
050-070	1.9	2.7	.9									5.4	6.0	5.0
(E) 080-100	1.2	1.8	1.8									4.8	7.5	8.0
110-130	.8	2.6	1.3									4.7	7.2	6.0
140-160	1.3	2.2	1.2	.1								4.9	7.4	7.5
(S) 170-190	1.3	2.2	1.9	.4								5.9	8.2	8.0
200-220	1.6	3.0	5.2	1.6	.7	.1						12.1	10.8	10.0
230-250	1.8	5.6	5.3	1.7	.6	.2						15.1	10.0	10.0
(W) 260-280	1.4	4.3	3.2	1.8	.6	.1						11.4	10.2	9.0
290-310	1.6	4.2	4.7	.9	.1							11.4	9.1	9.0
320-340	2.2	3.8	4.7	.8	.1							11.6	8.7	9.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////////////////////////////	
TOTALS	17.1	37.5	32.5	8.3	2.5	.4						100.0	8.8	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.8	1.6	.6								6.1	8.1	8.0
020-040	2.7	2.7	2.0	.4								7.8	7.1	6.0
050-070	1.3	2.6	1.0									4.9	6.8	7.0
(E) 080-100	1.2	1.8	1.1									4.1	7.0	6.0
110-130	1.6	1.8	.4									3.8	6.0	5.5
140-160	1.1	1.1	.9	.1								3.2	6.9	6.0
(S) 170-190	1.0	2.3	2.3	.4								6.1	8.7	9.0
200-220	1.4	5.3	4.8	1.3	.4							13.3	9.8	9.0
230-250	2.4	5.8	3.9	1.7	.4	.1						14.3	8.9	8.0
(W) 260-280	.4	3.8	4.1	1.7	1.2	.1						11.3	11.6	10.0
290-310	1.0	4.8	5.2	1.2								12.2	9.7	10.0
320-340	1.8	3.7	4.2	.6	.3							10.6	9.2	9.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	17.1	38.5	31.5	8.0	2.3	.2						100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.2	2.8	1.4	.2								7.7	5.9	5.0
020-040	2.3	3.3	2.6	.4								8.7	7.7	7.0
050-070	2.6	2.9	.6									6.0	5.4	5.0
(E) 080-100	1.9	2.1	.1									4.1	5.1	5.0
110-130	1.9	.8	.2									2.9	4.2	3.0
140-160	2.7	1.2	.4									4.3	4.8	4.0
(S) 170-190	1.6	3.1	1.2									5.9	6.6	6.0
200-220	3.1	4.9	2.7	.6	.1							11.3	7.5	7.0
230-250	4.8	2.8	1.4	.3	.1	.1						9.6	6.2	4.5
(W) 260-280	2.1	3.7	2.3	.9	.3							9.3	8.6	8.0
290-310	2.7	5.9	3.0	.3								11.9	7.2	7.0
320-340	2.1	4.6	3.2	.8	.1							10.8	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											7.6	////////////////////////////////	
TOTALS	31.0	38.1	19.1	3.5	.6	.1						100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.0	3.1	1.0	.1								7.2	5.9	5.0
020-040		4.1	2.8	1.6									8.4	5.9	5.0
050-070		2.4	3.0	.4	.1								6.0	5.4	5.0
(E) 080-100		1.1	.3	.4									1.9	5.1	3.0
110-130		1.6	1.0	.1									2.7	4.1	4.0
140-160		3.3	1.4	.1									4.9	4.0	4.0
(S) 170-190		1.3	3.0	1.3									5.7	7.0	7.0
200-220		2.9	2.8	1.0	.2	.2							7.1	6.2	5.0
230-250		2.8	1.4	.7	.1								5.0	5.3	4.0
(W) 260-280		3.8	2.8	1.6		.3	.1						8.6	6.8	6.0
290-310		2.0	2.9	1.4	.2	.1							6.7	7.2	6.5
320-340		2.0	2.9	2.2	.3	.2							7.7	7.9	8.0
VARIABLE															
CALM		////////////////////////////////////											28.2	////////////////////////////////	
TOTALS		30.3	27.4	11.8	1.0	.8	.1						100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	2.1	2.7	1.2	.3	.0							6.4
020-040	2.8	2.4	1.4	.2	.0							6.8
050-070	2.3	2.6	.6	.0								5.5
(E) 080-100	1.5	1.8	1.0	.1	.0							4.3
110-130	1.6	1.3	.5	.0								3.3
140-160	2.4	1.6	.4	.1	.0							4.5
(S) 170-190	1.5	2.5	1.3	.2	.0							5.5
200-220	3.1	3.7	2.5	.8	.3	.0	.0					10.3
230-250	2.5	3.4	2.3	.8	.3	.1						9.3
(W) 260-280	1.7	3.0	2.2	.9	.4	.0						8.2
290-310	1.8	3.9	2.6	.5	.1	.0						9.0
320-340	2.1	3.5	2.8	.5	.1							9.0
VARIABLE												
CALM	////////////////////											17.8
TOTALS	25.4	32.4	18.8	4.4	1.2	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	5.9	2.4	.2								12.0	7.0	7.0
020-040	3.4	2.4	1.7									7.4	6.2	5.5
050-070	2.2	3.2	.2									5.6	5.5	6.0
(E) 080-100	2.2	2.5	.2	.2								5.1	5.2	5.0
110-130	1.7	2.4	.3	.3								4.7	6.0	5.0
140-160	2.4	1.9	.5		.2							4.9	5.9	5.0
(S) 170-190	1.5	.8	.8									3.2	6.5	5.0
200-220	2.2	2.2	3.2	.5	.2							8.3	8.4	9.0
230-250	2.2	2.9	2.9	.3								8.3	7.8	7.0
(W) 260-280	.7	3.4	1.7	.2								5.9	7.8	7.0
290-310	2.2	4.7	2.9	.7	.2							10.7	8.0	8.0
320-340	2.2	5.4	4.6	.5	.5							13.2	8.7	8.0
VARIABLE														
CALM	////////////////////////////////////											10.7	////////////////////////////////	
TOTALS	26.5	37.7	21.4	2.9	1.1							100.0	6.5	6.5

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N)	350-010	3.5	3.4	.4									7.4	4.7	5.0
	020-040	3.5	2.4	.5	.2								6.7	5.3	4.0
	050-070	3.4	2.0	.1									5.6	4.0	4.0
(E)	080-100	1.4	.9										2.3	3.6	3.0
	110-130	2.3	.8	.1									3.1	3.7	4.0
	140-160	2.3	.6	.1									3.0	3.5	3.0
(S)	170-190	2.7	2.4	.9									5.9	5.4	5.0
	200-220	5.5	3.9	1.0	.1								10.4	5.1	4.0
	230-250	3.3	2.2	.9									6.3	5.2	4.0
(W)	260-280	1.5	1.1	.3									2.9	5.3	4.0
	290-310	1.5	.3	.5									2.4	5.2	3.0
	320-340	1.9	2.6	.1									4.6	5.1	5.0
VARIABLE															
CALM		////////////////////////////////////										39.4	////////////////////////////////		
TOTALS		32.8	22.6	4.9	.3							100.0	2.9	4.0	
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	3.1	.4									6.7	5.1	5.0
020-040	5.9	3.0	.6	.1								9.7	4.5	3.0
050-070	3.7	1.1										4.7	3.5	3.0
(E) 080-100	1.5	.6										2.2	3.5	3.5
110-130	1.9	.4										2.4	3.2	3.0
140-160	2.4	.6	.2									3.2	3.7	3.0
(S) 170-190	2.8	1.3	.1									4.2	4.2	4.0
200-220	4.5	5.1	.6									10.2	5.1	5.0
230-250	3.4	2.6	.9	.1								7.0	5.7	5.0
(W) 260-280	1.4	1.1	.5	.1								3.1	5.8	5.0
290-310	1.0	.9	.2									2.0	5.3	5.0
320-340	1.5	2.0	.4									4.0	5.7	6.0
VARIABLE														
CALM	////////////////////////////////////											40.6	////////////////////////////////	
TOTALS	33.1	21.8	3.9	.3								100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	4.1	1.5									7.6	6.5	6.0
020-040	4.4	3.8	1.3									9.5	5.3	5.0
050-070	2.9	2.7	.1									5.7	4.6	4.0
(E) 080-100	2.0	2.2	.3									4.5	5.1	5.0
110-130	2.3	.6										2.9	3.2	3.0
140-160	2.9	.8	.2									3.9	4.0	3.0
(S) 170-190	3.4	2.5	.5									6.5	4.6	4.0
200-220	4.4	4.0	1.3									9.7	5.7	5.5
230-250	4.5	4.1	1.2	.1	.1							10.0	6.0	6.0
(W) 260-280	.9	1.5	.6	.3								3.3	7.5	7.0
290-310	1.4	.8	.2									2.4	4.7	4.0
320-340	1.6	2.8	.3									4.7	5.8	6.0
VARIABLE														
CALM	////////////////////////////////////											29.4	////////////////////////////////	
TOTALS	32.7	29.9	7.5	.4	.1							100.0	3.8	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	4.2	1.7									8.3	6.6	7.0
020-040	1.5	2.8	2.0	.1								6.5	7.9	8.0
050-070	1.8	3.0	.9	.1								5.8	6.1	6.0
(E) 080-100	3.9	3.1	.6									7.6	4.9	4.0
110-130	3.4	2.9	.3									6.7	5.1	4.0
140-160	2.9	1.5										4.4	4.0	3.0
(S) 170-190	2.5	2.3	1.1									5.8	6.2	5.0
200-220	2.0	5.4	3.0	.5								11.0	7.9	8.0
230-250	3.3	6.8	5.2	.6	.2							16.1	8.1	8.0
(W) 260-280	2.6	3.1	1.8	.8								8.3	7.5	6.0
290-310	1.7	2.3	1.0	.1								5.1	6.5	6.0
320-340	2.3	4.5	1.0	.2								8.0	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											6.6	////////////////////////////////	
TOTALS	30.3	41.9	18.6	2.4	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	4.3	1.6	.1								7.8	7.1	7.0
020-040	2.3	3.5	2.5	.2								8.5	7.4	8.0
050-070	1.1	3.0	1.3	.1								5.5	7.2	8.0
(E) 080-100	1.5	2.2	.6									4.3	5.6	5.0
110-130	2.7	2.5	.3									5.5	4.9	5.0
140-160	2.4	2.7	.3	.1								5.5	5.4	5.0
(S) 170-190	1.4	2.8	2.0									6.2	7.2	7.0
200-220	2.5	3.3	4.4	1.2	.5	.1						12.0	9.7	10.0
230-250	1.2	6.2	7.2	1.2	.2							16.0	9.6	10.0
(W) 260-280	1.8	2.7	3.1	1.2	.4							9.2	5.3	10.0
290-310	1.9	2.9	1.9	.9	.1							7.7	8.1	8.0
320-340	2.9	3.9	1.7									8.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////////////////////////////	
TOTALS	23.5	40.0	26.9	5.0	1.2	.1						100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	5.3	1.5									9.5	6.3	6.0
020-040	2.2	4.4	2.2	.5								9.2	7.6	8.0
050-070	1.5	2.5	1.4	.2								5.6	7.1	6.0
(E) 080-100	1.7	1.1	.5									3.3	5.5	4.0
110-130	1.2	1.8										3.0	5.2	5.0
140-160	1.8	2.3	.5									4.6	5.6	6.0
(S) 170-190	1.8	2.8	1.8		.1							6.6	7.3	8.0
200-220	1.7	4.6	4.0	1.0	.1							11.4	8.6	8.0
230-250	2.7	4.9	6.5	.9	.1							15.1	8.8	9.0
(W) 260-280	1.2	4.3	3.0	.4	.3							9.2	8.9	8.0
290-310	1.3	2.8	2.8	.9	.4							8.2	9.6	9.5
320-340	2.5	4.8	1.5	.2								9.0	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											5.3	////////////////////////////////	
TOTALS	22.3	41.6	25.7	4.1	1.0							100	7.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.5	.3									7.2	5.2	5.0
020-040	2.5	5.6	3.1	.1								11.3	7.4	7.0
050-070	2.7	1.9	1.4									6.0	5.7	5.0
(E) 080-100	2.2	.4										2.6	3.4	3.0
110-130	2.8	1.3	.2									4.3	4.2	4.0
140-160	4.0	1.4	.3									5.7	4.5	4.0
(S) 170-190	2.0	4.1	1.2	.2								7.5	6.7	6.0
200-220	3.9	4.5	2.9	.3								11.6	7.0	6.5
230-250	4.2	4.2	1.2	.2								9.8	6.0	5.0
(W) 260-280	3.1	2.6	1.3	.1	.1							7.2	6.2	5.0
290-310	2.3	3.9	1.5	.3								8.0	6.8	6.0
320-340	3.2	3.4	.6									7.3	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											11.5	////////////////////////////////	
TOTALS	36.2	36.8	14.0	1.2	.1							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.7	2.4	.4									6.5	4.7	4.0
020-040		4.1	3.9	1.1									9.0	5.2	5.0
050-070		2.9	2.0	.3									5.3	4.8	4.0
(E) 080-100		1.7	.5										2.3	3.4	3.0
110-130		2.4	1.2	.1									3.7	3.8	3.5
140-160		3.3	1.2	.1	.1								4.7	4.1	4.0
(S) 170-190		3.2	3.0	1.1	.1								7.4	6.0	5.0
200-220		5.7	1.7	1.4		.1							8.9	5.0	4.0
230-250		6.1	1.2	.5									7.8	3.9	3.0
(W) 260-280		1.6	1.3	.2	.1								3.2	5.5	4.5
290-310		1.8	1.3	.6									3.8	5.7	5.0
320-340		1.6	2.6	.6									4.8	5.9	6.0
VARIABLE															
CALM		////////////////////////////////////										32.6	////////////////////////////////		
TOTALS		38.1	22.3	6.4	.3	.1							100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.8	3.8	1.0	.0								7.6	5.8	6.0
020-040		3.3	3.7	1.7	.2								8.8	6.3	6.0
050-070		2.5	2.3	.7	.1								5.5	5.4	5.0
(E) 080-100		2.0	1.4	.3									3.6	4.7	4.0
110-130		2.4	1.4	.1									3.9	4.3	4.0
140-160		2.7	1.4	.2	.0								4.4	4.4	4.0
(S) 170-190		2.5	2.6	1.1	.0	.0							6.3	6.0	6.0
200-220		3.8	4.1	2.3	.4	.1	.0						10.7	6.9	6.0
230-250		3.6	4.0	2.9	.4	.1							11.0	7.3	7.0
(W) 260-280		1.8	2.2	1.4	.4	.1							5.8	7.5	7.0
290-310		1.6	1.9	1.1	.3	.1							4.9	7.2	6.0
320-340		2.2	3.3	.8	.1								6.4	6.1	6.0
VARIABLE															
CALM		////////////////////////////////////										21.0	////////////////////////////////		
TOTALS		31.2	32.1	13.6	1.9	.4							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	8.6	3.0									13.4	7.1	6.0
020-040	2.7	6.0	2.8									11.5	7.2	7.0
050-070	1.8	3.0	.6	.1								5.5	6.5	7.0
(E) 080-100	.9	2.5	.1									3.6	5.8	6.0
110-130	2.2	1.3										3.6	4.0	4.0
140-160	2.2	.9										3.1	3.9	4.0
(S) 170-190	1.8	1.8	.3									3.9	4.7	5.0
200-220	2.1	3.7	.6									6.4	6.0	6.0
230-250	2.4	3.1	1.3									6.9	6.8	7.0
(W) 260-280	2.7	3.6	.6	.4								7.3	6.1	5.0
290-310	3.3	2.5	1.3									7.2	5.8	5.0
320-340	2.2	6.3	1.9									10.4	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											17.3	////////	
TOTALS	26.1	43.3	12.5	.5								100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.9										3.9	4.4	4.0
020-040	3.3	1.4	.3									5.1	4.2	4.0
050-070	3.1	.9	.2									4.2	3.9	4.0
(E) 080-100	1.3	.1										1.4	2.7	2.0
110-130	2.0	.3										2.3	2.9	2.0
140-160	3.6	.3										3.9	2.2	2.0
(S) 170-190	3.2	2.0	.4	.1								5.8	4.6	4.0
200-220	7.7	3.0	.9	.1								11.7	4.4	4.0
230-250	3.9	3.1	.8									7.8	5.3	4.5
(W) 260-280	1.4	1.0										2.4	4.2	4.0
290-310	1.3	1.2	.2									2.8	5.4	5.0
320-340	1.0	.8	.2									2.0	5.4	4.5
VARIABLE														
CALM	////////////////////////////////////											46.7	////////	
TOTALS	33.8	16.0	3.0	.2								100.0	2.3	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 03-05

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.3	.9	.2									3.4	4.0	3.0
020-040		4.8	1.7	.7									7.1	4.1	3.0
050-070		2.8	.3										3.1	2.6	2.0
(E) 080-100		.6	.2										.8	3.1	2.0
110-130		3.1	.1										3.2	2.6	2.0
140-160		3.9											3.9	2.3	2.0
(S) 170-190		3.1	1.0										4.1	3.7	4.0
200-220		7.1	3.1	.8									11.0	4.3	4.0
230-250		2.8	3.7	.8									7.2	5.6	6.0
(W) 260-280		1.7	.8	.1									2.6	4.1	4.0
290-310		1.3	.7	.1	.1								2.2	4.7	3.5
320-340		1.8	1.3										3.1	4.4	4.0
VARIABLE															
CALM		////////////////////											48.2	////////	
TOTALS		35.3	13.8	2.7	.1								100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.1	.1									4.4	4.6	4.5
020-140	4.9	2.0	1.0	.2								8.1	4.9	4.0
050-010	3.9	1.0	.1									5.0	3.8	3.0
(E) 080-100	1.0	.3	.1									1.4	4.3	3.0
110-130	2.6	.3										2.9	3.2	3.0
140-160	4.1	.7										4.8	2.8	2.0
(S) 170-190	4.8	1.1										5.9	3.3	3.0
200-220	6.7	4.1	1.1									11.9	4.1	4.0
230-250	3.9	5.9	1.4									11.2	5.8	5.0
(W) 260-280	1.2	2.1	.7	.1								4.1	6.3	5.0
290-310	1.7	1.6	.2									3.4	4.9	5.0
320-340	1.9	2.2	.4									4.6	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											32.2	////////	
TOTALS	38.9	23.4	5.1	.3								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.8	.4									5.3	4.6	4.0
020-040	3.0	2.0	1.6	.1								6.7	6.2	5.5
050-070	2.2	2.4	.3									5.0	4.8	5.0
(E) 080-100	2.4	1.7	.1									4.2	4.2	4.0
110-130	3.2	1.0	.2									4.4	3.6	3.0
140-160	2.1	1.8	.2									4.1	4.6	4.0
(S) 170-190	3.0	3.0	.3	.1								6.4	5.0	5.0
200-220	2.9	5.4	1.6	.1								10.0	6.3	6.0
230-250	4.3	8.7	6.1	.3	.1							19.6	7.6	8.0
(W) 260-280	2.3	4.8	2.4	.6								10.1	7.5	7.0
290-310	2.8	3.7	.6									7.0	5.7	6.0
320-340	2.8	4.6	1.0									8.3	5.8	6.0
VARIABLE														
CALM	////////////////////											8.8	////////	
TOTALS	34.1	40.9	14.8	1.2	.1							100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	4.3	.7									7.7	5.5	6.0
020-040	2.1	2.8	1.1	.1								6.1	6.5	6.0
050-070	2.4	2.4	.6	.1								5.6	5.5	5.0
(E) 080-100	2.6	1.4	.1									4.1	4.4	4.0
110-130	2.6	1.2										3.8	3.8	4.0
140-160	1.8	2.1										3.9	4.7	5.0
(S) 170-190	1.3	3.1	.3	.1								4.9	6.3	6.0
200-220	3.6	5.3	3.3	.7								12.9	7.5	7.0
230-250	2.8	6.2	7.9	1.7	.4							19.0	9.4	10.0
(W) 250-280	2.0	5.4	3.1	1.1								11.7	8.6	8.0
290-310	2.7	2.7	2.8									8.1	7.1	8.0
320-340	2.8	4.7	2.2									9.7	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											2.7	////////////////////////////////	
TOTALS	29.4	41.6	22.1	3.8	.4							100.0	6.9	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.9	1.4	.1								7.8	6.4	6.0
020-040	1.7	2.4	.9	.3								5.3	7.0	6.0
050-070	2.2	3.7	.7									6.6	5.6	5.0
(E) 080-100	2.2	1.4	.1									3.8	4.3	4.0
110-130	2.8	.6										3.3	3.1	3.0
140-160	2.0	1.1										3.1	4.3	4.0
(S) 170-190	2.9	4.0	1.2									8.1	5.8	6.0
200-220	2.2	5.3	3.1	1.0	.1							11.8	8.2	8.0
230-250	2.7	5.9	6.7	1.9	.2							17.3	9.3	10.0
(W) 260-280	1.4	4.6	4.1	.2								10.3	8.4	8.0
290-310	1.7	3.7	3.1	.2								8.7	8.0	8.0
320-340	2.6	6.9	1.3									10.8	6.4	7.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////////////////////////////	
TOTALS	26.7	43.5	22.6	3.7	.3							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	3.6	.7									8.6	4.9	4.0
020-040	3.3	3.2	1.3	.2								8.1	6.3	6.0
050-070	3.9	2.7	.1									6.7	4.3	4.0
(E) 080-100	3.1	.6	.2									3.9	3.6	3.0
110-130	2.8	.9										3.7	3.7	4.0
140-160	2.2	.2										2.4	3.0	3.0
(S) 170-190	1.7	4.2	.7									6.6	6.0	6.0
200-220	4.4	7.6	1.7	.4								14.1	6.2	5.0
230-250	5.4	6.0	3.3	.2	.1							15.1	6.5	6.0
(W) 260-280	2.3	3.8	1.6	.1								7.8	6.5	6.0
290-310	2.2	3.3	1.4									7.0	6.4	6.0
320-340	2.7	4.2	1.0		.2							8.1	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											8.0	////////	
TOTALS	38.3	40.3	12.0	.9	.3							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.8										5.7	3.7	3.0
020-040	3.6	2.7	.6	.1								6.9	4.9	4.0
050-070	4.2	2.1										6.3	3.8	3.0
(E) 080-100	2.0	.6										2.6	3.0	3.0
110-130	1.9	.3										2.2	3.0	2.0
140-160	2.8	.7	.1									3.6	3.7	3.5
(S) 170-190	3.6	2.9	.1	.1								6.7	4.8	4.0
200-220	8.9	3.3	.4	.1								12.8	4.2	4.0
230-250	6.3	2.7	.4	.1								9.6	4.1	3.0
(W) 260-280	2.3	.9	.1	.1								3.4	3.9	3.0
290-310	2.1	1.2	.1	.3	.2							4.0	6.2	4.0
320-340	2.0	.6	.2	.1								2.9	4.5	3.0
VARIABLE														
CALM	////////////////////											33.4	////////	
TOTALS	43.6	19.8	2.0	.9	.2							100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.5	.4	.0								5.8	5.0	5.0
020-040	3.3	2.3	.9	.1								6.7	5.5	5.0
050-070	3.1	1.9	.3	.0								5.3	4.4	4.0
(E) 080-100	1.9	.8	.1									2.8	3.9	4.0
110-130	2.6	.6	.0									3.2	3.3	3.0
140-160	2.8	.9	.0									3.7	3.4	3.0
(S) 170-190	2.9	2.7	.4	.1								6.1	5.0	5.0
200-220	5.4	4.7	1.6	.3	.0							12.0	5.8	5.0
230-250	4.0	5.3	3.4	.5	.1							13.3	7.3	7.0
(W) 260-280	1.8	2.9	1.5	.3								6.6	7.1	7.0
290-310	2.0	2.3	1.1	.1	.0							5.4	6.4	6.0
320-340	2.2	3.2	.8	.0	.0							6.2	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											22.9	////////////////////////////////	
TOTALS	34.9	30.1	10.5	1.4	.1							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.8		.2								6.7	5.8	5.5
020-040	3.1	1.9	.7									5.7	4.9	4.0
050-070	2.6	1.4	1.0									5.0	5.0	4.0
(E) 080-100	1.2	.5										1.7	3.3	3.0
110-130	3.6	.7	.5									4.8	4.1	3.0
140-160	2.4	.5	.2									3.1	4.3	4.0
(S) 170-190	3.1	1.9										5.0	4.3	4.0
200-220	8.1	6.0	.7									14.8	4.6	4.0
230-250	4.0	6.9	1.7	.2	.2							13.1	6.7	6.0
(W) 260-280	3.1	1.4	1.0									5.5	5.6	4.0
290-310	1.7	1.4	.2		.2							3.6	6.4	5.0
320-340	3.1	2.9	.2		.2							6.4	5.6	5.0
VARIABLE														
CALM	////////////////////											24.8	////////	
TOTALS	38.6	29.3	6.2	.4	.6							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 420

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.6										5.5	3.5	3.0
020-040	3.0	1.1										4.1	3.0	2.0
050-070	2.2	.5										2.7	3.2	2.0
(E) 080-100	1.5	.3	.1									1.9	3.8	4.0
110-130	.9	.2										1.1	2.9	2.5
140-160	2.8	.3										3.1	2.6	2.0
(S) 170-190	4.0	1.2										5.2	3.7	3.5
200-220	6.2	2.2	.1									8.5	3.7	4.0
230-250	5.5	3.2	.2									8.9	4.3	4.0
(W) 260-280	1.7	1.1	.1									2.9	4.5	3.0
290-310	1.0	.2	.1									1.3	4.2	3.0
320-340	1.6	1.3	.2									3.1	5.1	4.0
VARIABLE														
CALM	////////////////////////////////////											51.7	////////	
TOTALS	34.3	13.2	.8									100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	.9										5.1	3.2	3.0
020-040	6.3	.4	.1									6.9	2.4	2.0
050-070	1.6	.2	.1									1.9	3.2	2.0
(E) 080-100	1.4	.3										1.7	3.3	3.5
110-130	1.2											1.2	1.8	2.0
140-160	2.9											2.9	2.2	2.0
(S) 170-190	2.2	.9	.1									3.1	4.0	4.0
200-220	5.2	3.0	.1									8.3	4.1	4.0
230-250	4.0	3.2	.4									7.6	4.6	4.0
(W) 260-280	1.8	1.0										2.8	4.0	4.0
290-310	1.0	.6										1.6	4.3	4.0
320-340	1.1	1.3	.1									2.5	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											54.4	////////	
TOTALS	32.9	11.8	.9									100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.5										4.1	3.7	3.5
020-040	7.2	1.1	.2									8.5	3.2	2.0
050-070	3.0	.8	.2									4.0	3.3	2.0
(E) 080-100	1.8	.4										2.3	3.0	3.0
110-130	2.4	.1										2.5	2.5	2.0
140-160	3.8	.8										4.5	2.8	2.0
(S) 170-190	3.3	1.5										4.8	3.6	3.0
200-220	4.9	3.1	.1									8.2	4.3	4.0
230-250	4.0	4.7	.9									9.6	5.2	5.0
(W) 260-280	3.2	1.7	.1									5.1	4.0	4.0
290-310	1.2	.3										1.5	3.2	3.0
320-340	1.1	1.5										2.6	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											42.5	////////////////////////////////	
TOTALS	38.5	17.5	1.5									100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.7	.2									6.5	4.1	4.0
020-040	3.2	3.2	.2									6.7	5.0	5.0
050-070	3.1	2.4										5.5	4.2	4.0
(E) 080-100	3.1	1.6										4.7	4.1	4.0
110-130	3.5	1.6										5.2	4.1	4.0
140-160	2.9	1.6										4.5	3.5	3.0
(S) 170-190	2.9	2.3	.4									5.6	4.8	4.0
200-220	4.1	4.5	.9									9.5	5.4	6.0
230-250	5.7	10.6	2.7	.1								19.1	6.3	6.0
(W) 260-280	4.1	5.6	1.0									10.6	5.4	5.0
290-310	2.7	2.8	.1									5.6	4.8	5.0
320-340	3.7	3.0	.1	.1								6.9	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											9.7	////////	
TOTALS	42.5	41.9	5.6	.2								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	2.8	.6									6.8	5.1	5.0
020-040	3.3	4.0	.3									7.6	5.2	5.0
050-070	3.0	2.9	.1									6.0	4.7	4.5
(E) 080-100	3.5	1.3	.3									5.2	4.2	4.0
110-130	3.0	2.3										5.3	4.1	4.0
140-160	1.9	1.4										3.3	4.3	4.0
(S) 170-190	1.7	2.6	.2									4.5	5.5	6.0
200-220	2.9	5.4	2.2	.3								10.8	6.9	6.0
230-250	3.5	8.4	4.4	.1								16.5	7.3	7.0
(W) 260-280	2.9	7.4	2.6	.2								13.1	6.9	7.0
290-310	3.0	4.0	1.0									8.0	5.8	6.0
320-340	4.3	3.8	1.1									9.1	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											3.9	////////	
TOTALS	36.3	46.3	12.8	.6								100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	5.4	.8									9.8	5.5	5.0
020-040	3.1	4.2	.2	.1								7.6	5.6	6.0
050-070	3.2	2.6										5.8	4.2	4.0
(E) 080-100	1.8	1.6										3.4	4.2	4.0
110-130	2.5	1.9										4.4	4.5	4.0
140-160	2.2	2.0	.1									4.3	4.5	4.5
(S) 170-190	2.6	3.5	.3									6.5	5.2	5.0
200-220	2.9	5.6	2.6	.3								11.4	7.3	7.5
230-250	3.8	7.3	2.2	.1								13.3	6.6	7.0
(W) 260-280	3.4	6.2	2.6	.2								12.5	6.9	7.0
290-310	3.1	4.3	1.1									8.5	6.0	5.0
320-340	3.0	3.5	1.4	.1								8.1	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											4.4	////////////////////////////////	
TOTALS	35.3	48.1	11.3	.8								100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	2.7	.4									8.0	4.1	4.0
020-040	5.3	3.2	.9									9.4	4.6	4.0
050-070	3.8	1.2	.1									5.1	3.4	3.0
(E) 080-100	3.3	1.1										4.4	3.5	3.0
110-130	3.4	1.0	.1									4.5	3.6	3.0
140-150	3.4	1.2										4.6	3.6	3.0
(S) 170-190	3.9	4.9	.2									9.0	5.0	5.0
200-220	5.5	3.7	.9									10.0	4.7	4.0
230-250	4.8	5.6	.9									11.3	5.2	5.0
(W) 260-280	5.3	4.5	.6			.1						10.5	5.0	4.5
290-310	2.2	2.2	.3									4.6	5.0	5.0
320-340	2.7	2.8	.2	.1								5.8	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											12.8	////////	
TOTALS	48.4	34.1	4.6	.1		.1						100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.4	.1	.1								4.8	4.1	3.0
020-040	4.5	1.6	.2									6.3	3.7	3.0
050-070	2.6	.9	.1									3.5	3.5	4.0
(E) 080-100	1.7	.2		.1								2.0	3.4	2.0
110-130	1.7	.2										1.9	3.1	2.5
140-160	2.7	.2										2.9	2.9	3.0
(S) 170-190	3.9	2.7	.1									6.7	4.2	4.0
200-220	8.7	1.7										10.4	3.3	3.0
230-250	6.3	1.5	.4	.1								8.4	3.7	3.0
(W) 260-280	2.2	1.2	.1									3.4	4.1	4.0
290-310	1.4	.3	.2									1.9	3.9	3.0
320-340	1.5	1.2	.1									2.8	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											44.7	////////////////////////////////	
TOTALS	40.4	13.1	1.3	.3								100.0	2.0	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.4	.3	.0								6.3	4.3	4.0
020-040	4.5	2.4	.3	.0								7.1	4.2	4.0
050-070	2.8	1.4	.1									4.3	3.9	4.0
(E) 080-100	2.3	.9	.1	.0								3.2	3.8	3.0
110-130	2.3	.9	.0									3.3	3.7	3.0
140-160	2.8	.9	.0									3.8	3.4	3.0
(S) 170-190	3.1	2.4	.2									5.7	4.6	4.0
200-220	5.1	3.6	.8	.1								9.6	5.1	4.0
230-250	4.7	5.6	1.5	.1								11.8	5.7	5.0
(W) 260-280	3.1	3.6	.9	.1		.0						7.6	5.6	5.0
290-310	1.9	1.8	.3									4.1	5.2	5.0
320-340	2.4	2.3	.4	.0								5.1	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											28.0	////////	
TOTALS	38.7	28.2	4.9	.3								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.5	1.9										4.4	4.9	4.0
020-040		4.2	2.6	1.8									8.6	6.0	5.0
050-070		2.8	1.9	.9									5.6	5.3	5.0
(E) 080-100		3.5	1.1										4.6	3.6	3.0
110-130		3.2	.7	.2									4.0	3.7	3.0
140-160		3.2	.5										3.7	3.0	3.0
(S) 170-190		3.9	2.6	.2									6.7	4.5	4.0
200-220		5.3	4.2	.2	.4								10.0	4.9	4.0
230-250		5.8	6.7	.7									13.2	5.1	5.0
(W) 260-280		2.5	1.9										4.4	4.7	4.0
290-310		1.4	.7	.2									2.3	4.4	4.0
320-340		1.1	2.5	.5									4.0	6.0	6.0
VARIABLE															
CALM		////////////////////////////////////										28.6	////////////////////////////////		
TOTALS		39.4	27.3	4.7	.4								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 570

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.0	.2									6.1	4.2	4.0
020-040	8.9	1.2										10.1	2.7	2.0
050-070	2.5	.6										3.1	3.1	3.0
(E) 080-100	.5	.4										1.0	3.3	3.0
110-130	1.3	.1										1.4	2.8	2.0
140-160	2.5	.2										2.7	2.4	2.0
(S) 170-190	4.1	1.1	.1									5.3	3.5	4.0
200-220	4.5	1.4										5.9	3.3	2.0
230-250	2.7	1.6	.2									4.5	4.2	3.0
(W) 260-280	.3	.2										.5	4.2	4.0
290-310	.6	.5										1.2	4.1	4.0
320-340	1.9	.4			.1							2.5	4.2	3.0
VARIABLE														
CALM	////////////////////////////////////											55.7	////////////////////////////////	
TOTALS	33.7	9.7	.5		.1							100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.5	.1									5.3	4.0	3.0
020-040	6.2	1.0	.1									7.3	2.8	2.0
050-070	3.8	.5										4.3	2.8	2.0
(E) 080-100	1.2	.2										1.4	2.3	2.0
110-130	.8											.8	2.0	2.0
140-160	2.0	.1										2.2	2.3	2.0
(S) 170-190	3.1	.8										3.9	3.2	3.0
200-220	3.9	1.9	.3									6.1	4.2	4.0
230-250	2.5	1.7	.2									4.4	4.3	3.0
(W) 260-280	1.2	.6	.2									2.0	5.1	3.0
290-310	.6	.4										1.1	4.2	3.5
320-340	1.6	.5										2.2	3.2	3.0
VARIABLE														
CALM	////////////////////											59.1	////////	
TOTALS	30.6	9.2	.9									100.0	1.4	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.0	.1									7.1	3.9	3.5
020-040	9.5	1.9	.1									11.5	3.0	2.0
050-070	3.8	1.3										5.1	3.4	3.0
(E) 080-100	1.2	.4										1.6	3.3	3.0
110-130	1.4	.1										1.5	2.4	2.0
140-160	3.1	.2										3.3	2.5	2.0
(S) 170-190	3.2	1.2	.1									4.5	3.5	2.5
200-220	3.5	1.8	.2									5.6	4.3	4.0
230-250	4.9	2.4	.5									7.8	4.3	4.0
(W) 260-280	1.1	.5										1.6	3.7	3.0
290-310	.6	.2	.1									1.0	4.2	4.0
320-340	1.2	.9	.1									2.2	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											47.2	////////////////////////////////	
TOTALS	38.4	12.9	1.2									100.0	1.9	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.5	.9									8.3	4.9	4.0
020-040	6.7	3.4	.3									10.4	4.3	4.0
050-070	4.4	3.4	.1									8.0	4.4	4.0
(E) 080-100	3.1	1.9	.2									5.3	4.1	4.0
110-130	2.7	1.5	.1									4.3	4.1	4.0
140-160	3.4	1.5										4.9	3.7	4.0
(S) 170-190	3.1	2.7	.3									6.1	4.7	4.0
200-220	3.4	3.7	.8									7.8	5.3	5.0
230-250	4.8	8.1	2.5									15.4	6.3	6.0
(W) 260-280	4.2	3.4	.5									8.2	4.8	4.0
290-310	2.2	1.0										3.1	3.9	4.0
320-340	3.1	1.7	.1									4.9	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											13.2	////////	
TOTALS	46.0	34.8	5.8									100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	4.3	.4									9.2	4.9	5.0
020-040	4.5	4.5	.8									9.8	5.1	5.0
050-070	2.9	4.4	.3	.1								7.7	5.2	5.0
(E) 080-100	2.0	1.6	.1									3.8	4.9	4.0
110-130	2.0	1.4										3.4	4.1	4.0
140-160	2.3	1.6	.1									4.0	4.3	4.0
(S) 170-190	3.8	3.1	.6									7.5	5.2	4.5
200-220	3.9	5.3	1.8	.2								11.2	6.3	6.0
230-250	3.5	7.0	2.7	.4								13.7	7.2	7.0
(W) 260-280	3.2	4.8	2.0	.2								10.3	6.4	6.0
290-310	2.9	3.3	1.3									7.5	5.9	6.0
320-340	4.4	2.8	.6									7.8	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////	
TOTALS	39.9	44.1	10.7	.9								100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	5.5	.9									11.2	5.6	5.0
020-040	4.8	4.4	1.0									10.2	5.3	5.0
050-070	2.8	3.5	.1									6.5	4.9	5.0
(E) 080-100	.9	3.1	.1									4.1	5.7	6.0
110-130	2.6	1.8	.1									4.5	4.1	4.0
140-160	2.7	1.7	.1									4.5	4.5	4.0
(S) 170-190	2.4	3.8	.5									6.7	5.6	5.0
200-220	2.8	4.1	1.9	.1								8.9	6.3	6.0
230-250	3.0	6.8	3.1	.5	.1							13.5	7.3	7.0
(W) 260-280	2.4	7.0	1.0	.3								10.6	6.6	6.0
290-310	2.0	3.4	1.3									6.8	6.5	6.0
320-340	3.2	4.3	1.2									8.7	5.7	6.0
VARIABLE														
CALM	////////////////////////////////////											3.8	////////////////////////////////	
TOTALS	34.4	49.4	11.3	.9	.1							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	2.5	.1									8.4	3.9	4.0
020-040	5.0	5.0	.4									10.3	5.0	5.0
050-070	4.4	2.6	.1									7.1	4.1	4.0
(E) 080-100	1.1	1.1	.1									2.3	4.7	5.0
110-130	3.2	.4										3.7	3.0	3.0
140-160	3.8	1.7										5.5	3.7	4.0
(S) 170-190	3.8	2.8	.2									6.8	4.5	4.0
200-220	2.8	3.0	.4	.1								6.4	5.3	5.0
230-250	4.4	3.3	.6									8.4	4.7	4.0
(W) 260-280	5.4	3.4	.2									9.1	4.4	4.0
290-310	4.5	3.0	.3									7.9	4.2	4.0
320-340	4.7	1.6	.9									7.2	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											17.0	////////	
TOTALS	48.9	30.4	3.3	.1								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	1.0	.2									5.7	3.8	3.0
020-040	6.9	2.6										9.5	3.6	4.0
050-070	1.6	.9										2.5	3.7	4.0
(E) 080-100	1.1	.5										1.6	3.6	3.0
110-130	1.3	.1										1.4	2.2	2.0
140-160	3.1	.3										3.5	2.9	3.0
(S) 170-190	3.3	1.5										4.9	3.9	4.0
200-220	5.8	1.4										7.2	3.3	3.0
230-250	4.1	.8										4.9	3.1	3.0
(W) 260-280	1.5	.1		.1								1.7	3.4	2.5
290-310	1.6	.8										2.4	4.1	4.0
320-340	2.2	1.6	.2									4.0	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											50.8	////////	
TOTALS	37.0	11.6	.4	.1								100.0	1.7	3.0
TOTAL NUMBER OF OBSERVATIONS 927														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	2.7	.4									7.7	4.5	4.0
020-040	6.6	3.0	.3									9.9	4.0	3.0
050-070	3.3	2.2	.1	.0								5.5	4.2	4.0
(E) 080-100	1.4	1.2	.1									2.6	4.4	4.0
110-130	1.9	.7	.0									2.6	3.5	3.0
140-160	2.9	.9	.0									3.8	3.5	3.0
(S) 170-190	3.3	2.1	.2									5.7	4.4	4.0
200-220	3.8	2.8	.7	.1								7.4	5.0	4.0
230-250	3.8	4.0	1.2	.1	.0							9.1	5.8	5.0
(W) 260-280	2.4	2.5	.5	.1								5.5	5.4	5.0
290-310	1.9	1.6	.4									3.9	5.1	5.0
320-340	2.8	1.7	.4		.0							4.9	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											31.4	////////	
TOTALS	38.7	25.4	4.3	.3								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	3.3	.5									8.2	4.8	4.0
020-040	6.1	4.9	.3									11.3	4.6	4.0
050-070	2.1	2.1										4.2	4.6	4.5
(E) 080-100	2.6	.7										3.3	2.9	3.0
110-130	2.1	.2										2.3	2.5	2.0
140-160	1.9	.2										2.1	2.8	2.5
(S) 170-190	2.6	2.4										5.1	4.2	4.0
200-220	3.8	1.9	.7									6.5	4.8	4.0
230-250	3.3	4.0	.9	.2								8.4	5.7	5.0
(W) 260-280	2.6	1.4		.2								4.2	3.9	3.0
290-310	1.6	1.0										2.6	4.7	4.0
320-340	3.0	1.2										4.2	3.7	4.0
VARIABLE														
CALM	////////////////////////////////////											37.7	////////	
TOTALS	36.1	23.3	2.4	.4								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.6	.3									5.3	4.4	4.0
020-040	4.4	1.9	.1	.1								6.6	3.6	3.0
050-070	3.4	.6										4.0	2.7	2.0
(E) 080-100	.7	.2										.9	3.4	4.0
110-130	1.2											1.2	2.1	2.0
140-160	4.2	.6										4.8	2.8	2.0
(S) 170-190	4.6	1.7	.2									6.4	3.9	4.0
200-220	6.6	4.3	.4	.1								11.4	4.7	4.0
230-250	3.2	1.6	.3									5.1	4.4	4.0
(W) 260-280	1.6	1.0	.1									2.7	4.3	4.0
290-310	1.2	.6	.1									1.9	4.4	4.0
320-340	1.0	.6	.6	.2								2.3	6.9	5.0
VARIABLE														
CALM	////////////////////////////////////											47.3	////////////////////////////////	
TOTALS	35.5	14.7	2.1	.4								100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.1	.3	.2								6.6	4.5	4.0
020-040	6.2	1.4	.1									7.8	3.1	2.0
050-070	2.2	.4	.2									2.9	3.8	3.0
(E) 080-100	.4	.2										.7	2.7	2.0
110-130	1.1											1.1	1.7	2.0
140-160	3.2	.6										3.8	2.6	2.0
(S) 170-190	4.9	1.0	.4									6.3	3.8	3.0
200-220	6.2	3.2	.4									9.9	4.4	4.0
230-250	3.6	3.3	.2									7.1	4.6	4.5
(W) 260-280	1.0	.9	.3									2.2	5.2	5.0
290-310	.9	.4	.2									1.6	4.8	3.5
320-340	1.6	1.3	.4									3.3	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											46.8	////////////////////////////////	
TOTALS	35.2	14.8	2.5	.2								100.0	2.1	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.3	.6									7.8	4.2	4.0
020-040	5.9	2.6										8.4	3.5	3.0
050-070	3.3	.8										4.1	3.3	3.0
(E) 080-100	.7	.3										1.0	4.0	3.0
110-130	1.4											1.4	1.5	2.0
140-160	4.9	.2										5.1	2.4	2.0
(S) 170-190	5.2	2.0										7.2	3.6	3.0
200-220	4.3	4.7	1.0									10.0	5.2	5.0
230-250	2.2	3.2	.8									6.2	5.9	6.0
(W) 260-280	1.2	.6	.2									2.0	4.8	4.0
290-310	1.4	1.3	.2									3.0	5.0	5.0
320-340	1.4	1.0	.3									2.8	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											40.9	////////	
TOTALS	36.8	19.0	3.1									100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.7	3.6	1.0	.1								8.3	5.3	5.0
020-040		4.3	3.8	1.1									9.2	5.3	5.0
050-070		1.6	1.4	.7									3.7	5.9	5.0
(E) 080-100		2.3	1.9	.2									4.4	5.0	4.0
110-130		2.7	2.4	.2									5.3	4.8	4.5
140-160		3.8	2.0	.1									5.9	3.9	4.0
(S) 170-190		4.1	2.1	.3									6.6	4.5	4.0
200-220		4.6	5.0	2.8	.4								12.8	6.5	6.0
230-250		3.7	6.9	6.3	.9								17.8	8.2	8.0
(W) 260-280		2.7	3.9	.3									6.9	5.5	6.0
290-310		2.7	2.1	.3									5.1	4.9	4.0
320-340		2.2	2.2	.8									5.2	5.6	5.0
VARIABLE															
CALM		////////////////////////////////////										8.8	////////////////////////////////		
TOTALS		38.4	37.3	14.1	1.4								100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	4.4	1.6									10.3	5.5	5.0
020-040	2.2	3.2	.9									6.3	5.9	6.0
050-070	1.6	3.0	.8									5.3	6.5	7.0
(E) 080-100	1.6	2.4	.3									4.3	5.4	6.0
110-130	2.1	2.7	.2									5.0	5.0	5.0
140-160	2.1	2.1										4.2	4.4	4.5
(S) 170-190	2.4	3.7	.6	.1								6.8	5.7	6.0
200-220	3.7	5.4	3.3	1.1		.1						13.7	7.8	7.0
230-250	3.4	6.3	7.1	1.6	.2							18.7	9.0	9.0
(W) 260-280	3.1	5.0	2.2	.6								10.9	7.1	6.0
290-310	1.4	2.4	1.4									5.3	6.8	7.0
320-340	2.8	3.0	.9									6.7	5.8	5.5
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	30.7	43.6	19.3	3.4	.2	.1						100.0	6.6	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	5.9	1.4	.1								11.0	6.2	6.0
020-040	1.4	1.3	.6									3.3	5.8	6.0
050-070	1.4	2.4	.9									4.8	6.7	7.0
(E) 080-100	1.3	2.2	.2									3.8	5.2	5.0
110-130	2.3	2.4										4.8	4.8	5.0
140-160	2.2	2.2	.6									5.0	5.1	5.0
(S) 170-190	2.7	5.4	1.8	.1								10.0	6.7	6.0
200-220	3.1	6.8	3.7	1.2								14.8	7.8	7.0
230-250	2.1	5.2	4.7	1.3								13.3	9.1	9.0
(W) 260-280	2.4	3.9	2.2	.1								8.7	7.0	6.0
290-310	2.0	3.9	1.6	.1								7.6	7.0	7.5
320-340	3.1	4.3	1.1									8.6	5.9	6.0
VARIABLE														
CALM	////////////////////											4.4	////////	
TOTALS	27.6	45.9	18.8	2.9								100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.4	3.6	.4									12.4	4.0	4.0
020-040	2.6	2.3	.3	.1								5.3	5.1	5.0
050-070	1.6	1.6	.2									3.3	4.7	5.0
(E) 080-100	2.4	.8	.1									3.3	3.7	3.0
110-130	3.1	1.3										4.4	3.6	3.0
140-160	3.6	1.8	.2									5.6	3.9	3.5
(S) 170-190	4.3	4.7	.6									9.6	5.0	5.0
200-220	6.7	4.3	1.9	.2								13.1	5.4	4.0
230-250	3.7	3.1	1.2									8.0	5.6	5.0
(W) 260-280	3.2	2.2				.1						5.6	5.1	4.0
290-310	2.8	1.8	.2	.1								4.9	4.7	4.0
320-340	4.1	1.4	.6									6.1	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											18.3	////////////////////////////////	
TOTALS	46.5	28.9	5.7	.4		.1						100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	1.0	.3	.1								4.8	4.5	3.0
020-040	6.0	2.6	.1									8.7	4.0	4.0
050-070	2.3	1.0										3.3	3.7	3.5
(E) 080-100	1.1											1.1	2.2	2.0
110-130	1.8	.7										2.4	3.7	3.5
140-160	5.9	2.0	.1									8.0	3.5	3.0
(S) 170-190	3.7	1.3	.2									5.2	4.1	4.0
200-220	6.9	3.2	1.4									11.6	4.9	4.0
230-250	4.2	.9	.2									5.3	3.6	3.0
(W) 260-280	2.1	1.4	.2									3.8	4.4	4.0
290-310	1.3	.9	.2									2.4	4.6	4.0
320-340	1.3	.3	.6									2.2	5.4	3.5
VARIABLE														
CALM	////////////////////////////////////											41.1	////////	
TOTALS	39.9	15.3	3.3	.1								100.0	2.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 90 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	3.1	.8	.1								8.3	4.9	4.0
020-040	4.1	2.4	.4	.0								7.0	4.4	4.0
050-070	2.2	1.4	.3									3.9	4.8	4.0
(E) 080-100	1.3	1.0	.1									2.4	4.5	4.0
110-130	2.0	1.2	.1									3.2	4.1	4.0
140-160	3.7	1.4	.1									5.3	3.6	3.0
(S) 170-190	4.0	2.7	.5	.0								7.3	4.8	4.0
200-220	5.3	4.6	1.9	.4		.0						12.2	6.0	5.0
230-250	3.3	3.8	2.6	.5	.0							10.2	7.2	7.0
(W) 260-280	2.2	2.4	.7	.1		.0						5.3	5.9	5.0
290-310	1.7	1.7	.5	.0								4.0	5.6	5.0
320-340	2.2	1.8	.7	.0								4.7	5.5	5.0
VARIABLE														
CALM	////////////////////											26.3	////////	
TOTALS	36.4	27.5	8.7	1.1								100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
												%	WIND	WIND
(N) 350-010		5.8	4.3	1.4	.2							11.7	5.2	4.5
020-040		4.1	3.7	.4								8.2	4.5	4.5
050-070		1.0	1.0									1.9	4.7	4.5
(E) 080-100		.6										.6	1.3	1.0
110-130		1.7	.2									1.9	2.3	2.0
140-160		2.3	.4									2.7	2.7	2.0
(S) 170-190		6.6	2.7	.2								9.5	3.8	4.0
200-220		6.6	5.6	1.4								13.6	5.3	6.0
230-250		4.5	7.6	.4								12.4	5.5	6.0
(W) 260-280		2.1	1.6	.4								4.1	5.0	4.0
290-310		2.5	1.9	1.0								5.4	5.4	5.0
320-340		1.7	1.7	1.4								4.9	6.5	6.0
VARIABLE														
CALM		////////////////////////////////////										23.1	////////////////////////////////	
TOTALS		39.5	30.7	6.6	.2							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 515

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.1	1.0	.9		.1							8.1	4.3	3.0
020-040	5.8	1.3										7.1	3.2	3.0
050-070	1.6	1.8	.1									3.5	5.0	6.0
(E) 080-100	1.1	.4										1.5	3.4	3.5
110-130	1.7	.3										2.0	2.9	2.0
140-160	3.1	2.4	.1									5.6	4.2	3.5
(S) 170-190	2.2	1.5	1.1									4.7	5.9	5.0
200-220	4.4	3.2	1.5	.1								9.2	5.7	5.0
230-250	2.9	2.2	.9	.3								6.2	6.0	5.0
(W) 260-280	1.8	2.6	.9	.1								5.4	6.6	6.0
290-310	2.6	1.7	1.0									5.3	5.6	5.0
320-340	1.7	1.2	.2									3.1	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											38.2	////////////////////////////////	
TOTALS	35.0	19.6	6.7	.5	.1							100.0	3.1	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.5	.5	.1								7.2	4.7	4.0
020-040	5.9	2.0	.2									8.2	3.6	3.0
050-070	2.0	1.0	.3									3.3	4.5	4.0
(E) 080-100	1.7	1.1										2.8	3.9	3.0
110-130	2.2	.3										2.5	2.5	2.0
140-160	3.8	1.4										5.2	3.4	3.0
(S) 170-190	2.8	1.4	.8	.1								5.1	5.7	4.0
200-220	3.2	3.0	1.3	.2								7.7	6.0	5.0
230-250	2.5	4.8	1.7	.1								9.1	6.7	7.0
(W) 260-280	2.6	1.2	.8	.1								4.6	5.9	4.0
290-310	1.2	1.1	.8	.2								3.2	6.9	5.5
320-340	1.8	.9	.3									3.0	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											38.1	////////	
TOTALS	33.8	20.7	6.7	.8								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	1.4	.4									6.3	3.9	3.0
020-040	6.6	2.3	.2									9.0	3.3	2.0
050-070	1.7	1.9	.2									3.9	4.9	5.0
(E) 080-100	2.3	1.6										3.9	4.4	4.0
110-130	1.6											1.6	2.7	2.0
140-160	4.0	1.0										4.9	3.3	3.0
(S) 170-190	3.1	2.7	.5									6.3	4.6	5.0
200-220	4.7	3.3	1.9	.1								10.1	5.8	5.0
230-250	2.3	5.4	1.4									9.0	6.9	7.0
(W) 260-280	1.8	1.5	1.5	.2								5.1	6.8	7.0
290-310	1.6	1.0	.8									3.3	5.8	5.0
320-340	1.3	1.2	.4									2.9	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											33.5	////////////////////////////////	
TOTALS	35.5	23.3	7.3	.3								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.3	2.5	.6									5.4	5.6	5.0
020-040		2.4	3.5	.4									6.3	5.4	6.0
050-070		3.0	2.3	.3									5.6	4.5	4.0
(E) 080-100		2.8	2.8	.4									6.0	5.2	5.5
110-130		3.0	1.7	.4									5.2	5.0	4.0
140-160		4.0	2.3										6.2	4.0	4.0
(S) 170-190		3.0	2.3	.5									5.8	5.3	4.0
200-220		3.0	6.6	3.3	.8								13.7	7.5	8.0
230-250		3.1	6.2	5.2	.3								14.8	7.9	8.0
(W) 260-280		1.9	2.9	2.4	.9	.1							8.2	8.4	8.0
290-310		1.4	2.0	1.5	.2	.1							5.3	8.0	8.0
320-340		1.3	2.4	1.0									4.6	6.3	6.0
VARIABLE															
CALM		////////////////////////////////////											12.9	////////////////////////////////	
TOTALS		31.2	37.5	16.0	2.2	.2							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.7	2.0	.9									4.6	6.1	5.0
020-040		2.2	2.8	.5									5.5	5.4	5.0
050-070		2.5	1.9	.9									5.3	5.5	5.0
(E) 080-100		1.4	2.2	.5									4.1	5.6	5.0
110-130		1.8	2.6	.5									4.9	5.4	5.0
140-160		2.8	2.6										5.4	4.3	4.0
(S) 170-190		2.4	2.7	1.4	.2								6.7	6.5	6.0
200-220		2.8	5.7	4.3	1.2	.1							14.1	8.5	8.0
230-250		3.0	7.0	5.8	1.3	.4							17.5	8.7	8.0
(W) 260-280		2.2	4.6	3.8	2.0								12.6	9.2	8.0
290-310		1.4	3.3	3.4	.4	.2							8.8	8.6	8.0
320-340		2.0	2.6	1.1									5.7	6.3	6.0
VARIABLE															
CALM		////////////////////////////////////											4.8	////////////////////////////////	
TOTALS		26.2	40.0	23.1	5.1	.7							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.0	.4									6.1	5.2	5.0
020-040	2.4	2.5	.4									5.3	5.3	5.0
050-070	2.2	2.6	.6									5.4	5.8	5.0
(E) 080-100	1.3	2.7	.4									4.4	5.7	6.0
110-130	1.9	1.5	.2									3.7	4.8	4.0
140-160	2.6	2.0	.2									4.8	4.7	4.0
(S) 170-190	2.6	3.7	1.6	.2								8.1	6.7	6.0
200-220	3.8	6.7	3.0	.4								13.9	7.3	7.0
230-250	4.1	5.5	3.2	.9	.1							13.8	7.4	7.0
(W) 260-280	2.6	4.5	6.0	.9	.3							14.3	9.1	10.0
290-310	1.6	3.8	2.9	.4								8.7	8.5	8.0
320-340	1.8	3.4	1.5	.3								7.1	7.0	6.5
VARIABLE														
CALM	////////////////////////////////////											4.5	////////////////////////////////	
TOTALS	29.6	41.9	20.4	3.1	.4							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	1.3	.4									6.2	4.2	4.0
020-040	3.8	1.6	.9	.1								6.3	5.2	4.0
050-070	2.8	1.8										4.6	4.5	4.0
(E) 080-100	2.0	.9										2.9	3.7	3.0
110-130	2.8	1.1	.1									4.0	3.8	4.0
140-160	4.6	1.7	.2	.1								6.7	3.9	3.0
(S) 170-190	4.0	4.3	.4									8.7	5.3	5.0
200-220	5.7	3.5	1.0									10.2	4.9	4.0
230-250	4.8	1.9	.5									7.3	4.4	4.0
(W) 260-280	3.7	3.2	1.1	.5								8.5	6.4	6.0
290-310	2.7	2.3	1.4	.1	.1							6.6	6.6	5.0
320-340	2.2	2.5	1.2									5.8	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											22.2	////////	
TOTALS	43.6	26.1	7.2	.8	.1							100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	1.9	.4	.2								6.9	4.6	4.0
020-040	3.1	1.9	.1									5.2	4.2	4.0
050-070	1.9	1.6	.4									4.0	5.2	5.0
(E) 080-100	1.0	.4	.1									1.5	4.4	3.0
110-130	1.4	1.0	.1									2.5	4.7	4.0
140-160	3.9	2.5	.2									6.6	4.3	4.0
(S) 170-190	2.4	2.2	.6									5.2	5.4	5.0
200-220	6.5	2.4	1.1	.1								10.0	4.7	4.0
230-250	3.0	1.9	1.0									5.9	5.4	4.0
(W) 260-280	2.6	2.0	1.2	.3								6.1	6.7	6.0
290-310	1.8	2.3	.6	.3								5.1	6.5	6.0
320-340	2.0	2.3	.1									4.4	4.6	5.0
VARIABLE														
CALM	////////////////////////////////////											36.8	////////	
TOTALS	33.9	22.4	5.9	.9								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
												WIND
												WIND
(N) 350-010	3.8	1.9	.6	.0	.0							6.4
020-040	4.0	2.2	.3	.0								6.6
050-070	2.2	1.9	.4									4.4
(E) 080-100	1.7	1.5	.2									3.4
110-130	2.1	1.1	.2									3.3
140-160	3.6	2.0	.1	.0								5.7
(S) 170-190	2.8	2.6	.9	.1								6.3
200-220	4.3	4.3	2.2	.4	.0							11.1
230-250	3.2	4.4	2.5	.4	.1							10.5
(W) 260-280	2.4	2.8	2.2	.6	.1							8.1
290-310	1.8	2.2	1.5	.2	.1							5.8
320-340	1.8	2.0	.7	.0								4.6
VARIABLE												
CALM	////////////////////////////////////											23.9
TOTALS	33.7	28.9	11.8	1.7	.3							100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	5.4	1.7									11.1	6.0	6.0
020-040	4.5	5.3	.3									10.1	5.0	5.0
050-070	2.9	3.2	1.2									7.3	6.0	6.0
(E) 080-100	2.9	2.9	.6									6.5	5.2	5.0
110-130	2.2	2.6	.3									5.2	5.1	5.0
140-160	3.5	1.6	.5	.1								5.7	4.6	3.0
(S) 170-190	3.0	2.6	.7									6.4	5.3	5.0
200-220	2.4	6.1	2.4	.1								11.0	7.0	7.0
230-250	1.8	4.4	2.3									8.5	7.5	7.0
(W) 260-280	1.3	2.3	.8	.1								4.5	6.8	7.0
290-310	.7	1.3	1.2	.2								3.4	8.1	8.0
320-340	.9	1.6	.9									3.5	6.4	6.0
VARIABLE														
CALM	////////////////////											16.8	////////	
TOTALS	30.2	39.3	12.9	.5								100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 951

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.9	.6									4.8	6.2	6.0
020-040	1.9	2.3	.2									4.4	5.1	5.0
050-070	1.0	1.2	.1									2.3	5.5	6.0
(E) 080-100	1.8	2.1	.2									4.1	4.8	5.0
110-130	2.9	1.0	.1									4.0	3.9	3.0
140-160	2.7	1.3	.3	.1								4.4	4.6	3.5
(S) 170-190	3.6	2.3	1.7		.1							7.7	6.0	5.0
200-220	3.0	6.4	1.9	.3								11.7	6.8	6.0
230-250	3.2	4.1	3.1	.4	.2							11.1	7.4	6.0
(W) 260-280	1.2	1.9	2.3	.4								5.9	8.6	8.0
290-310	1.3	3.1	2.7									7.1	7.4	7.5
320-340	2.3	3.6	1.4	.2								7.6	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											24.9	////////////////////////////////	
TOTALS	26.2	32.2	14.6	1.4	.3							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.6	1.0									6.7	6.1	6.0
020-040	1.6	2.2	.2									4.0	5.0	5.0
050-070	1.0	1.6	.2									2.8	5.7	6.0
(E) 080-100	1.6	1.6	.4									3.6	5.5	6.0
110-130	1.2	1.1										2.3	4.0	4.0
140-160	3.0	1.1	.3									4.4	4.1	3.0
(S) 170-190	3.9	1.9	1.2	.2	.1							7.3	6.1	4.0
200-220	3.9	4.3	3.9	.1								12.2	7.0	6.0
230-250	2.0	4.3	3.4	.6	.1							10.4	8.6	8.0
(W) 260-280	1.4	3.1	1.8	.2								6.7	7.8	8.0
290-310	1.1	2.9	2.2									6.2	7.8	8.0
320-340	1.6	3.7	1.0									6.2	6.6	6.5
VARIABLE														
CALM	////////////////////											27.1	////////	
TOTALS	24.4	31.4	15.6	1.2	.2							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.4	1.0	.1								6.0	5.9	5.0
020-040	1.9	2.1	.7	.1								4.8	5.9	5.0
050-070	.6	2.0	.6									3.1	6.5	6.0
(E) 080-100	1.6	1.7										3.2	5.0	5.0
110-130	1.3	.7	.3	.1								2.4	5.6	4.0
140-160	5.1	1.4	.4	.1								7.1	4.1	3.0
(S) 170-190	4.2	2.9	.7	.4								8.2	5.7	4.0
200-220	4.0	4.8	2.4	.3								11.6	6.7	6.0
230-250	1.2	5.2	2.8	.4	.1							9.8	8.2	8.0
(W) 260-280	1.1	1.7	2.4	.7	.2							6.1	9.5	10.0
290-310	1.8	2.7	1.3	.3								6.1	7.3	7.0
320-340	2.2	4.0	.9									7.1	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											24.4	////////	
TOTALS	27.4	31.6	13.5	2.5	.3							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	3.4	1.6									6.4	7.1	7.0
020-040	1.4	2.6	.7									4.7	6.2	6.0
050-070	1.6	2.2	.6									4.3	6.0	6.0
(E) 080-100	.8	1.4	.6	.1								2.9	6.7	6.0
110-130	1.4	1.4	.8		.2							3.9	6.7	6.0
140-160	3.7	1.8	1.0									6.4	5.1	4.0
(S) 170-190	3.9	5.2	1.4	.3	.1							11.0	6.3	6.0
200-220	2.1	7.3	5.0	.9	.2							15.6	8.7	8.0
230-250	2.0	4.7	4.8	.8								12.2	8.7	9.0
(W) 260-280	1.3	2.4	3.2	1.0	.3							8.3	9.6	10.0
290-310	.7	2.9	3.1	.3								7.0	8.9	9.0
320-340	1.8	3.3	1.2	.3								6.7	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											10.6	////////	
TOTALS	22.1	38.6	24.0	3.7	.8							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.0	.8									5.9	6.2	7.0
020-040	1.1	2.0	.4									3.6	6.3	6.0
050-070	1.1	2.2	.8									4.1	6.5	7.0
(E) 080-100	.8	1.8	.4									3.0	6.7	7.0
110-130	1.2	1.8	1.0									4.0	6.6	7.0
140-160	2.0	3.0	.7	.2								5.9	6.1	5.0
(S) 170-190	2.2	3.4	2.6	.4	.1							8.8	7.7	8.0
200-220	2.2	6.8	6.2	2.1	.2							17.6	9.5	9.0
230-250	2.0	5.8	6.8	1.7								16.2	9.3	10.0
(W) 260-280	1.1	3.1	3.7	2.2	.1							10.2	10.4	10.5
290-310	1.1	3.8	3.4	1.1	.1							9.6	9.4	9.0
320-340	1.3	3.7	2.7	.3								8.0	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											3.2	////////	
TOTALS	18.2	40.4	29.5	8.0	.5							100.0	8.2	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.3	3.2	.9	.1								5.6	6.9	6.0
020-040		1.7	1.9	.6									4.1	5.4	5.0
050-070		.9	2.0	.8									3.7	6.8	6.0
(E) 080-100		.8	1.9	.4									3.1	6.3	6.0
110-130		1.3	1.7	.6									3.6	5.9	6.0
140-160		2.4	3.2	1.3									7.0	6.1	5.0
(S) 170-190		2.2	5.2	1.8	.3	.1							9.7	7.4	7.0
200-220		3.2	7.0	3.6	1.3								15.1	8.0	7.5
230-250		3.2	5.0	4.8	.7	.2	.						13.9	8.3	8.0
(W) 260-280		1.6	3.8	4.0	1.9								11.2	9.7	10.0
290-310		1.7	3.2	3.6	.9								9.3	8.8	9.0
320-340		2.1	4.9	2.3	.2								9.6	7.2	7.0
VARIABLE															
CALM		////////////////////////////////////											4.2	////////////////////////////////	
TOTALS		22.4	43.0	24.7	5.4	.3							100.0	7.4	7.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.8	1.0									5.4	5.5	5.0
020-040	1.9	1.3	.9									4.1	5.7	5.0
050-070	1.6	1.3	.6									3.4	6.0	6.0
(E) 080-100	1.4	1.9	.2									3.6	5.3	5.0
110-130	2.9	1.8	.2									4.9	4.3	4.0
140-160	4.1	2.8	.4									7.3	4.7	4.0
(S) 170-190	3.3	4.7	2.0	.1	.1							10.2	6.7	6.0
200-220	4.4	4.2	1.9	.6	.1							11.2	6.6	5.0
230-250	2.7	4.7	2.1									9.4	6.6	6.0
(W) 260-280	1.0	3.9	3.2	.6								8.7	8.8	8.0
290-310	2.1	2.7	2.0	.2								7.0	7.3	7.0
320-340	2.4	3.0	1.7	.4	.1							7.7	7.4	6.0
VARIABLE														
CALM	////////////////////////////////////											17.0	////////	
TOTALS	30.5	34.1	16.2	1.9	.3							100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.1	.9	.1								4.2	6.9	7.0
020-040	2.2	1.7	.3									4.2	4.9	4.0
050-070	1.6	.9	.6									3.0	5.6	4.0
(E) 080-100	1.4	1.1	1.0									3.6	6.4	6.0
110-130	2.2	1.7	.1									4.0	4.5	3.5
140-160	3.8	2.4	.6	.1								6.9	5.1	4.0
(S) 170-190	2.3	2.0	1.4	.2								6.0	6.8	6.0
200-220	3.7	5.8	2.6	.7	.2							12.9	7.3	6.5
230-250	2.7	2.8	2.4		.2							8.1	7.4	6.0
(W) 260-280	1.7	3.7	2.0	.7	.2							8.2	8.4	8.0
290-310	2.3	2.2	2.8	.4								7.8	7.9	8.0
320-340	1.4	2.6	1.6	.2								5.8	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											25.3	////////////////////////////////	
TOTALS	26.4	29.0	16.3	2.4	.6							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	2.8	1.0	.0								5.6	6.3	6.0
020-040	1.7	2.0	.5	.0								4.2	5.6	5.0
050-070	1.2	1.7	.5									3.3	6.1	6.0
(E) 080-100	1.3	1.7	.4	.0								3.4	5.8	6.0
110-130	1.8	1.4	.4	.0	.0							3.6	5.2	4.5
140-160	3.3	2.1	.6	.1								6.2	5.0	4.0
(S) 170-190	3.2	3.5	1.6	.3	.1							8.6	6.6	6.0
200-220	3.3	5.8	3.4	.8	.1							13.5	7.7	7.0
230-250	2.4	4.6	3.8	.6	.1							11.4	8.2	8.0
(W) 260-280	1.3	2.9	2.8	1.0	.1							8.2	9.2	9.0
290-310	1.5	2.9	2.6	.4	.0							7.5	8.2	8.0
320-340	1.9	3.6	1.6	.2	.0							7.3	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											17.1	////////	
TOTALS	24.7	35.0	19.2	3.4	.4							100.0	5.9	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	4.7	2.6	.1								10.2	7.0	6.0
020-040	2.5	5.1	.8									8.4	5.8	6.0
050-070	1.8	4.8	1.1									7.8	6.6	6.0
(E) 080-100	2.0	3.7	1.0									6.7	6.0	6.0
110-130	1.8	1.4	.4	.1	.2							3.8	6.2	5.0
140-160	1.7	2.2	.9									4.7	6.1	6.0
(S) 170-190	1.5	2.6	1.1									5.2	6.6	6.0
200-220	2.3	6.3	2.7	.2								11.5	7.4	8.0
230-250	1.9	4.7	3.1	.5	.2							10.4	8.1	8.0
(W) 260-280	1.4	2.0	1.8	.8	.1							6.1	8.8	8.0
290-310	1.5	3.8	3.4	.5								9.2	8.2	8.0
320-340	1.4	3.4	2.2	.6								7.7	8.1	8.0
VARIABLE														
CALM	////////////////////											8.3	////////	
TOTALS	22.5	44.7	21.1	2.8	.5							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 1247

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.7	1.7	.8	.1								4.3	6.1	5.0
020-040	1.8	1.4	.2									3.4	4.7	4.0
050-070	1.0	.5	.1	.2								1.8	5.9	4.0
(E) 080-100	1.5	1.5	.9									3.9	6.7	7.0
110-130	1.7	.9	.4									3.0	5.1	4.0
140-160	3.5	2.4	.4									6.3	4.9	4.0
(S) 170-190	4.7	2.9	1.2		.1							8.9	5.5	4.0
200-220	3.5	3.8	1.7	.3								9.4	6.5	6.0
230-250	2.5	4.5	2.8	.6	.9							11.3	9.0	8.0
(W) 260-280	3.5	3.4	3.0	.3	.1							10.4	7.5	7.0
290-310	2.4	4.6	4.3	.3	.1							11.7	8.2	8.0
320-340	1.6	2.0	1.7									5.4	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////										20.1	////////////////////////////////		
TOTALS	29.4	29.6	17.5	1.8	1.2							100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	.6	.1								4.0	5.9	5.0
020-040	2.2	1.3	.2									3.7	4.5	4.0
050-070	1.1	1.0	.3	.1								2.5	6.1	6.0
(E) 080-100	1.5	1.1	.2									2.8	5.2	4.0
110-130	1.4	1.4	.5									3.3	5.1	5.0
140-160	3.4	1.9	.1									5.5	4.2	4.0
(S) 170-190	4.1	1.8	1.2	.5								7.6	6.1	4.0
200-220	4.0	4.9	2.7	.1								11.7	6.6	6.0
230-250	3.2	3.9	2.6	.5	.2	.1						10.5	7.7	7.0
(W) 260-280	2.9	4.0	3.4	.9	.1		.1					11.4	8.5	8.0
290-310	1.2	4.8	2.8		.2							9.0	8.5	8.0
320-340	2.4	2.6	1.2	.1		.1						6.3	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											21.6	////////	
TOTALS	29.0	30.3	15.8	2.3	.5	.2	.1					100.0	5.3	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.6	.2									3.8	4.9	4.0
020-040	1.5	1.3	.1									2.9	4.7	4.0
050-070	2.2	.5	.2	.1								3.0	4.7	4.0
(E) 080-100	1.5	1.1	.5									3.1	5.4	5.0
110-130	1.9	1.6										3.5	4.6	4.0
140-160	3.2	1.6	.4	.2								5.5	4.8	4.0
(S) 170-190	4.6	2.6	.8	.4								8.4	5.4	4.0
200-220	5.4	6.5	3.2	.4		.1						15.6	7.0	6.0
230-250	3.4	4.1	2.6	.4	.1							10.6	7.0	7.0
(W) 260-280	2.5	4.9	2.7	.4	1.0							11.5	8.6	8.0
290-310	1.5	3.8	1.8	.2								7.3	7.4	7.0
320-340	1.2	3.5	1.0	.2								5.9	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											18.8	////////	
TOTALS	30.8	33.1	13.5	2.3	1.1	.1						100.0	5.3	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	3.2	1.2	.1								6.5	6.4	6.0
020-040	1.1	1.7	.4									3.2	5.9	5.5
050-070	1.5	.8	.1									2.4	4.5	4.0
(E) 080-100	1.5	1.6	.5									3.7	5.9	5.5
110-130	1.5	1.0	.5									3.0	5.7	4.5
140-160	2.7	1.8	.8									5.3	5.2	4.0
(S) 170-190	3.5	3.7	1.4	.2								8.8	6.0	6.0
200-220	3.1	7.4	5.2	1.1	.2		.1					17.1	8.5	8.0
230-250	2.5	4.5	2.5	1.1	.2	.1		.2				11.1	9.2	8.0
(W) 260-280	2.2	5.7	4.7	1.6	.6							14.8	9.4	9.0
290-310	2.0	3.5	2.2	.3	.2							8.3	7.9	8.0
320-340	1.4	1.7	1.9	.1								5.2	7.5	6.0
VARIABLE														
CALM	////////////////////											10.8	////////	
TOTALS	24.9	36.6	21.4	4.5	1.2	.1	.1	.2				100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.0	2.0	1.3	.2	.2							4.7	8.6	8.0
020-040		.5	2.5	.2									3.2	6.6	7.0
050-070		.5	.9										1.4	4.8	5.0
(E) 080-100		1.0	1.4	.5									2.9	6.2	6.0
110-130		1.4	1.3	.6									3.3	6.1	6.0
140-160		1.5	3.1	.6									5.3	6.0	6.0
(S) 170-190		2.3	3.2	1.3	.2								7.0	6.8	6.0
200-220		2.5	5.5	5.9	2.2	.3							16.3	9.6	10.0
230-250		2.5	7.2	7.1	1.9	.6	.1	.2	.1				19.8	9.9	10.0
(W) 260-280		1.8	5.2	6.1	1.9	1.1	.1						16.2	10.4	10.0
290-310		1.2	3.3	3.7	.4	.2	.1						8.9	9.4	9.0
320-340		.9	3.4	1.2	.3								5.8	7.9	8.0
VARIABLE															
CALM		////////////////////////////////////											5.1	////////////////////////////////	
TOTALS		17.1	39.0	28.5	7.1	2.4	.3	.2	.1				100.0	8.4	8.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.2	1.0		.3							4.8	7.6	7.0
020-040	1.3	1.6	.3									3.2	5.5	6.0
050-070	.9	1.4	.3									2.6	5.3	6.0
(E) 080-100	1.6	1.8	.3									3.8	5.3	6.0
110-130	1.3	.9	.3	.1								2.6	5.3	4.5
140-160	2.6	1.8										4.4	4.3	4.0
(S) 170-190	2.4	3.7	1.4	.1	.2							7.7	7.0	7.0
200-220	3.0	6.8	5.3	1.1	.1							16.2	8.4	8.0
230-250	3.9	7.1	4.8	.8	.3	.1	.1	.1				17.2	8.5	8.0
(W) 260-280	2.3	4.7	4.9	1.8	.6							14.4	9.8	10.0
290-310	1.1	6.0	3.2	.5	.2							11.1	8.4	8.0
320-340	1.7	3.9	1.7									7.3	6.9	7.0
VARIABLE														
CALM	////////////////////////////////////											4.6	////////////////////////////////	
TOTALS	23.5	41.9	23.5	4.4	1.7	.1	.1	.1				100.0	7.4	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.7	.5	.4								4.7	6.6	5.0
020-040	1.1	1.8										2.9	5.2	5.0
050-070	2.5	1.6										4.1	4.3	3.5
(E) 080-100	2.0	1.0	.5									3.5	5.2	4.0
110-130	1.5	.8	.3									2.6	5.1	4.0
140-160	4.5	3.1	.3									8.0	4.3	4.0
(S) 170-190	2.4	4.5	.5	.1								7.5	5.9	5.0
200-220	3.8	3.7	2.3	.9								10.5	7.1	6.5
230-250	3.2	2.9	2.7	.6	.3	.3						10.1	8.4	7.5
(W) 260-280	3.9	5.4	3.4	1.2	.3	.1						14.3	8.0	7.0
290-310	2.7	4.6	2.7	.6	.8							11.4	8.3	7.0
320-340	3.0	2.9	.6	.1								6.7	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////	
TOTALS	32.6	34.0	13.8	3.9	1.4	.4						100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.3	.9	.1								3.9	6.5	6.0
020-040	1.7	1.1	.3									3.1	4.9	4.0
050-070	1.3	1.1	.1									2.5	4.8	4.0
(E) 080-100	1.2	.9	.9	.1								3.0	7.1	7.0
110-130	1.8	1.7										3.5	4.5	4.0
140-160	3.4	2.2	.1									5.7	4.3	4.0
(S) 170-190	3.3	5.1	.8	.1								9.2	6.0	6.0
200-220	2.9	4.5	2.7	.2								10.3	7.0	7.0
230-250	3.1	3.5	2.4	.3	.9							10.2	8.2	8.0
(W) 260-280	4.1	4.5	2.8	.9	.2	.1						12.6	7.6	6.0
290-310	1.9	4.4	3.5	.9	.1							10.9	8.6	8.0
320-340	2.5	2.7	1.0	.3								6.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											18.6	////////////////////////////////	
TOTALS	28.8	33.0	15.5	2.9	1.2	.1						100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.9	.8	.1	.1							4.6	6.6	6.0
020-040	1.4	1.6	.2									3.2	5.2	5.0
050-070	1.4	1.0	.1	.1								2.5	5.0	4.0
(E) 080-100	1.5	1.3	.6	.0								3.3	5.9	5.0
110-130	1.6	1.2	.3	.0								3.1	5.2	4.0
140-160	3.1	2.2	.3	.0								5.7	4.7	4.0
(S) 170-190	3.4	3.4	1.1	.2	.0							8.2	6.1	5.0
200-220	3.5	5.4	3.6	.8	.1	.0	.0					13.4	7.8	7.0
230-250	3.0	4.7	3.4	.8	.4	.1	.0	.1				12.6	8.6	8.0
(W) 260-280	2.9	4.7	3.9	1.1	.5	.0	.0					13.2	8.9	8.0
290-310	1.7	4.4	3.0	.4	.2	.0						9.8	8.4	8.0
320-340	1.8	2.8	1.3	.1		.0						6.1	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											14.2	////////////////////////////////	
TOTALS	27.0	34.6	18.6	3.6	1.3	.1		.1				100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.6	1.3	.3	.3							7.6	7.4	6.5
020-040	1.8	3.3	.3									5.5	5.6	6.0
050-070	1.1	1.6	.3									2.9	5.4	5.0
(E) 080-100	2.3	2.2	1.0	.1								5.5	6.2	6.0
110-130	1.9	1.8	.7									4.5	5.8	5.0
140-160	3.3	2.3	.6									6.2	4.9	4.0
(S) 170-190	2.8	4.3	.9	.2	.1							8.2	6.3	6.0
200-220	2.4	4.7	3.1	.5								10.7	7.7	7.0
230-250	3.2	3.7	2.2	.4								9.5	7.3	7.0
(W) 260-280	3.0	5.8	3.7	.8	.3	.1						13.5	8.3	8.0
290-310	1.4	3.8	2.2	.3	.1							7.9	8.0	8.0
320-340	2.4	3.1	2.1	.2								7.8	7.0	7.0
VARIABLE														
CALM	////////////////////											10.2	////////	
TOTALS	27.7	40.2	18.4	2.8	.8	.1						100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 1521

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.9	2.7	.8	.1	.0							6.5	5.6	5.0
020-040		3.2	2.4	.8	.1	.0							6.6	5.4	5.0
050-070		2.2	2.0	.5	.1	.0							4.8	5.4	5.0
(E) 080-100		1.6	1.5	.3	.0	.0							3.4	5.3	5.0
110-130		1.9	1.2	.2	.0	.0							3.4	4.6	4.0
140-160		2.9	1.6	.3	.0	.0							4.8	4.4	4.0
(S) 170-190		2.8	2.8	.9	.1	.0							6.7	5.9	5.0
200-220		3.8	4.2	2.3	.5	.1	.0	.0					11.0	7.0	6.0
230-250		3.1	4.3	2.8	.6	.2	.0	.0	.0				11.0	7.7	7.0
(W) 260-280		2.0	3.2	2.3	.7	.2	.0	.0					8.5	8.3	8.0
290-310		1.9	2.8	1.8	.3	.1	.0						6.9	7.6	7.0
320-340		2.2	2.9	1.2	.1	.0	.0						6.4	6.5	6.0
VARIABLE															
CALM		////////////////////////////////////										20.1	////////////////////////////////		
TOTALS		30.5	31.6	14.2	2.6	.6							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS: 87637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.6	4.7	2.0	.2	.1							9.6	7.0	6.0
020-040		2.8	4.1	1.4	.2	.0							8.5	6.5	6.0
050-070		1.9	3.0	1.1	.1	.0							6.1	6.7	6.0
(E) 080-100		2.2	2.3	.5	.1								5.1	5.6	5.0
110-130		2.0	1.7	.4	.0	.0							4.2	5.3	5.0
140-160		2.2	1.5	.4	.0	.0							4.2	5.1	4.0
(S) 170-190		2.5	2.3	.8	.1	.0							5.7	5.8	5.0
200-220		2.8	4.2	2.2	.2	.0							9.5	7.0	6.5
230-250		2.5	4.9	2.4	.3	.1	.0	.0					10.4	7.6	7.0
(W) 260-280		1.9	3.3	2.3	.6	.2	.0						8.3	8.3	8.0
290-310		1.8	3.1	2.1	.4	.1	.0						7.5	7.7	8.0
320-340		1.9	3.5	1.9	.3	.0							7.6	7.4	7.0
VARIABLE															
CALM		////////////////////////////////////										13.4	////////////////////////////////		
TOTALS		27.1	38.6	17.5	2.5	.5							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 10784

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.5	34.1	35.2	35.5	36.2	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 20000	35.7	36.2	37.3	37.6	38.4	38.7	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 18000	35.8	36.3	37.4	37.7	38.5	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 16000	35.8	36.3	37.4	37.7	38.5	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 14000	35.9	36.5	37.5	37.8	38.6	38.9	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 12000	37.7	38.3	39.4	39.7	40.4	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 10000	39.7	40.2	41.3	41.6	42.4	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 9000	40.5	41.1	42.2	42.5	43.3	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 8000	43.7	44.4	45.5	45.8	46.7	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 7000	44.8	45.6	46.7	47.0	47.8	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 6000	45.4	46.1	47.2	47.6	48.5	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 5000	48.4	49.1	50.2	50.6	51.5	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 4500	50.4	51.2	52.3	52.7	53.5	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 4000	53.0	53.8	55.1	55.5	56.5	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 3500	55.5	56.2	58.0	58.5	59.8	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3000	59.9	60.8	62.6	63.2	64.8	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7
GE 2500	64.8	65.7	67.8	68.6	70.5	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
GE 2000	68.3	69.5	71.8	72.6	75.1	75.7	76.1	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.7
GE 1800	70.2	71.5	73.9	74.7	77.3	78.0	78.5	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
GE 1500	72.5	74.5	77.8	78.7	81.6	82.4	82.9	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 1200	74.8	76.9	80.5	81.6	85.1	85.8	86.3	87.2	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 1000	76.2	78.4	82.3	83.3	87.5	88.5	89.0	90.0	90.1	90.5	90.5	90.5	90.6	90.6	90.6	90.6
GE 900	76.8	79.0	82.9	84.1	88.8	89.8	90.3	91.3	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 800	77.3	79.7	83.8	85.3	90.4	91.5	92.2	93.4	93.7	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 700	77.4	79.9	84.2	85.8	91.2	92.4	93.2	94.5	94.7	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 600	77.4	80.2	84.8	86.6	92.3	93.4	94.3	95.8	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 500	77.4	80.5	85.4	87.1	92.8	94.0	94.9	96.5	96.8	97.8	98.1	98.1	98.2	98.2	98.2	98.2
GE 400	77.4	80.5	85.4	87.2	93.0	94.3	95.3	96.8	97.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8
GE 300	77.5	80.6	85.5	87.3	93.1	94.4	95.4	96.9	97.2	98.5	99.2	99.2	99.4	99.4	99.4	99.4
GE 200	77.5	80.6	85.5	87.3	93.1	94.4	95.4	96.9	97.2	98.5	99.6	99.7	99.9	99.9	99.9	99.9
GE 100	77.5	80.6	85.5	87.3	93.1	94.4	95.4	96.9	97.2	98.5	99.6	99.7	99.9	99.9	99.9	99.9
GE 000	77.5	80.6	85.5	87.3	93.1	94.4	95.4	96.9	97.2	98.6	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.0	32.4	33.4	33.8	34.7	35.1	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	33.4	34.9	36.0	36.3	37.4	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 18000	33.4	34.9	36.0	36.3	37.4	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 16000	33.4	34.9	36.0	36.3	37.4	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 14000	33.5	35.1	36.1	36.5	37.5	37.8	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 12000	34.4	36.1	37.2	37.5	38.6	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000	35.9	37.8	38.9	39.5	40.5	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 9000	36.8	38.7	39.8	40.3	41.4	41.7	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 8000	40.1	42.4	43.4	44.0	45.1	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 7000	42.0	44.3	45.4	45.9	47.0	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 6000	43.1	45.4	46.6	47.2	48.3	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 5000	45.3	47.5	48.7	49.6	50.6	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 4500	46.8	49.1	50.4	51.3	52.4	52.7	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 4000	49.0	51.4	52.7	53.7	54.7	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 3500	51.1	53.5	55.1	56.1	57.4	57.7	57.8	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 3000	54.6	57.1	58.9	60.3	61.7	62.0	62.3	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8
GE 2500	58.5	61.0	63.4	65.3	67.1	67.4	67.6	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2
GE 2000	63.8	66.3	69.0	71.0	73.0	73.4	73.7	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2
GE 1800	64.9	67.5	70.3	72.3	74.4	74.8	75.1	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 1500	68.8	71.9	75.1	77.1	79.7	80.3	80.6	81.3	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 1200	71.3	74.5	78.7	80.9	84.3	85.2	85.7	86.5	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	73.2	76.9	81.2	83.3	87.3	88.3	88.8	89.8	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3
GE 900	73.9	77.5	82.2	84.4	88.5	89.5	90.0	91.0	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5
GE 800	74.1	77.8	82.7	85.1	89.4	90.4	91.3	92.3	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8
GE 700	74.4	78.3	83.4	85.9	90.4	91.6	93.1	94.7	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.5
GE 600	74.6	78.9	84.4	87.0	92.3	93.5	95.2	96.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.6
GE 500	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	98.6	98.9	98.9	98.9	98.9	98.9	99.0
GE 400	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	98.8	99.1	99.1	99.2	99.2	99.2	99.4
GE 300	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	98.9	99.4	99.4	99.6	99.6	99.6	99.8
GE 200	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	99.0	99.6	99.6	99.8	99.8	99.8	100.0
GE 100	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	99.0	99.6	99.6	99.8	99.8	99.8	100.0
GE 000	74.6	78.9	84.7	87.4	92.9	94.2	96.0	97.7	98.0	99.0	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.7	31.4	32.8	33.3	34.9	35.4	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 20000	32.4	34.4	35.8	36.5	38.3	38.8	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 18000	32.4	34.4	35.8	36.5	38.3	38.8	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 16000	32.4	34.4	35.8	36.5	38.3	38.8	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 14000	32.5	34.5	35.9	36.6	38.4	38.9	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 12000	33.4	35.5	36.9	37.5	39.5	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 10000	36.2	38.4	39.8	40.6	42.6	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 9000	37.0	39.1	40.5	41.4	43.3	43.9	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 8000	39.9	42.2	43.5	44.5	46.5	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 7000	41.2	43.4	44.8	45.8	47.7	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 6000	42.3	44.5	45.9	46.9	48.8	49.4	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 5000	44.9	47.2	48.7	49.9	51.9	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 4500	46.2	48.5	50.0	51.2	53.2	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 4000	48.0	50.2	51.7	52.9	55.1	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 3500	49.6	51.8	53.3	54.5	56.8	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 3000	51.8	54.3	56.3	58.0	60.3	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 2500	56.0	58.5	61.1	63.1	65.7	66.2	66.8	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 2000	60.4	63.4	66.1	68.4	71.3	71.9	72.6	72.8	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 1800	61.3	64.3	67.3	69.6	72.6	73.2	73.9	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 1500	65.4	68.8	72.3	74.9	78.0	78.6	79.4	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1200	67.7	71.3	75.8	78.8	81.9	82.7	83.5	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1000	68.8	72.9	78.6	82.5	86.3	87.2	88.3	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 900	68.9	73.0	78.8	83.0	87.0	88.0	89.0	89.5	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	69.4	73.4	79.6	83.9	88.0	89.0	90.1	90.5	90.6	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 700	69.6	73.9	80.4	84.8	89.1	90.3	91.4	92.3	92.5	93.1	93.2	93.2	93.3	93.3	93.4	93.4
GE 600	69.6	74.0	81.1	86.2	91.0	92.4	94.0	95.2	95.4	96.0	96.1	96.1	96.2	96.2	96.3	96.3
GE 500	69.6	74.0	81.1	86.2	91.3	92.8	95.3	96.6	96.8	97.4	97.6	97.6	97.7	97.7	97.8	97.8
GE 400	69.6	74.0	81.2	86.6	91.7	93.2	95.7	97.2	97.4	98.4	99.0	99.0	99.1	99.1	99.2	99.2
GE 300	69.6	74.0	81.2	86.6	91.7	93.3	95.8	97.4	97.6	98.8	99.5	99.5	99.6	99.6	99.7	99.7
GE 200	69.6	74.0	81.2	86.6	91.7	93.3	95.8	97.4	97.6	98.9	99.6	99.6	99.9	99.9	100.0	100.0
GE 100	69.6	74.0	81.2	86.6	91.7	93.3	95.8	97.4	97.6	98.9	99.6	99.6	99.9	99.9	100.0	100.0
GE 000	69.6	74.0	81.2	86.6	91.7	93.3	95.8	97.4	97.6	98.9	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.7	31.0	32.5	34.1	35.3	35.3	35.6	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7
GE 20000	33.7	34.9	37.0	38.8	40.4	40.4	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9
GE 18000	33.8	35.1	37.1	38.9	40.5	40.5	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0
GE 16000	33.9	35.2	37.2	39.0	40.6	40.6	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1
GE 14000	34.1	35.4	37.4	39.2	40.9	40.9	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
GE 12000	35.1	36.3	38.6	40.4	42.3	42.3	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7
GE 10000	39.5	40.8	43.0	45.1	46.9	47.0	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
GE 9000	40.1	41.4	43.7	45.7	47.5	47.6	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
GE 8000	43.1	44.6	46.9	49.0	50.9	51.1	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
GE 7000	44.2	45.7	48.1	50.3	52.2	52.4	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	44.5	46.0	48.5	50.8	52.6	52.8	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
GE 5000	46.5	48.2	50.8	53.0	54.8	55.1	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8
GE 4500	47.3	49.0	51.6	54.0	55.8	56.0	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 4000	48.7	50.4	53.1	55.7	57.6	57.8	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
GE 3500	50.2	51.9	54.7	57.3	59.4	59.6	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3
GE 3000	51.9	53.7	56.8	59.4	61.6	61.8	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
GE 2500	54.6	56.7	60.4	63.4	65.7	65.9	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 2000	58.9	61.2	65.2	68.5	70.8	71.3	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3
GE 1800	59.8	62.0	66.1	69.6	71.8	72.5	73.2	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7
GE 1500	63.4	66.7	71.2	74.8	77.6	78.7	79.7	80.3	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9
GE 1200	64.9	68.6	73.5	77.3	80.8	82.0	83.3	84.1	84.2	84.3	84.7	84.7	84.7	84.7	84.7	84.7
GE 1000	66.1	70.1	75.8	80.2	84.7	86.0	87.7	88.7	88.8	89.0	89.5	89.5	89.5	89.5	89.5	89.5
GE 900	66.8	71.0	77.0	81.5	86.1	87.4	89.1	90.3	90.4	90.6	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	67.0	71.3	77.6	82.7	88.0	89.4	91.5	92.9	93.0	93.3	93.9	93.9	93.9	93.9	93.9	93.9
GE 700	67.1	71.4	77.8	83.1	88.6	90.2	92.5	94.0	94.1	94.5	95.1	95.1	95.1	95.1	95.1	95.1
GE 600	67.1	71.4	77.8	83.2	88.7	90.5	93.2	95.3	95.4	95.8	96.5	96.5	96.5	96.5	96.5	96.5
GE 500	67.1	71.4	77.8	83.2	88.8	90.6	93.5	95.6	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	67.1	71.4	77.8	83.5	89.4	91.3	94.4	96.8	97.3	98.2	98.8	98.8	99.0	99.0	99.0	99.0
GE 300	67.1	71.4	77.8	83.5	89.4	91.4	94.5	97.1	97.6	98.5	99.2	99.2	99.5	99.5	99.5	99.5
GE 200	67.1	71.4	77.8	83.5	89.4	91.4	94.5	97.1	97.6	98.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 100	67.1	71.4	77.8	83.5	89.4	91.4	94.5	97.1	97.6	98.5	99.5	99.5	99.7	99.8	99.9	100.0
GE 000	67.1	71.4	77.8	83.5	89.4	91.4	94.5	97.1	97.6	98.5	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.9	32.0	32.5	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000	37.5	38.8	39.2	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 18000	38.1	39.4	39.8	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	38.2	39.5	39.9	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 14000	38.4	39.7	40.1	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000	40.1	41.4	41.8	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 10000	42.9	44.3	44.7	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 9000	43.9	45.3	45.7	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 8000	46.8	48.4	49.0	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 7000	48.5	50.1	50.8	51.8	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	49.8	51.4	52.0	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 5000	50.9	52.5	53.1	54.2	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4500	52.0	53.7	54.4	55.5	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4000	53.0	54.7	55.6	56.7	57.3	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 3500	54.3	56.1	57.1	58.3	59.0	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 3000	56.7	58.6	59.7	60.9	61.8	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 2500	62.8	64.9	66.6	67.7	68.7	69.0	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 2000	68.2	70.8	72.8	74.1	75.5	76.0	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 1800	69.0	71.6	73.8	75.1	76.7	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1500	73.1	76.3	79.1	80.8	82.5	83.2	83.5	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.2
GE 1200	75.3	79.0	82.5	84.6	87.0	88.0	88.3	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.2
GE 1000	75.9	80.1	83.8	86.6	89.5	90.4	90.9	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	92.2
GE 900	76.3	80.8	84.6	88.0	91.4	92.4	92.9	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.2
GE 800	76.5	81.1	85.3	88.9	92.8	94.0	94.6	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	96.0
GE 700	76.5	81.1	85.5	89.2	93.5	94.8	95.5	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.9
GE 600	76.5	81.1	85.6	89.5	93.9	95.3	95.9	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.3
GE 500	76.5	81.1	85.6	89.8	94.4	95.8	96.6	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.8	98.2
GE 400	76.6	81.2	85.7	90.1	94.8	96.3	97.5	98.3	98.5	98.8	98.8	98.8	98.9	98.9	98.9	99.2
GE 300	76.6	81.2	85.7	90.1	94.8	96.3	97.7	98.6	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.8
GE 200	76.6	81.2	85.7	90.1	94.8	96.3	97.7	98.6	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0
GE 100	76.6	81.2	85.7	90.1	94.8	96.3	97.7	98.6	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0
GE 000	76.6	81.2	85.7	90.1	94.8	96.3	97.7	98.6	98.8	99.5	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.5	33.2	33.7	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 20000	38.1	38.8	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 18000	38.2	38.9	39.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 16000	38.2	38.9	39.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 14000	38.7	39.5	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 12000	40.2	41.1	41.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 10000	43.1	44.0	44.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 9000	43.7	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 8000	47.3	48.2	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 7000	48.7	49.8	50.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 6000	49.6	50.6	51.5	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 5000	51.0	52.0	52.9	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 4500	51.8	52.9	54.0	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 4000	53.0	54.1	55.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 3500	55.7	57.1	58.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 3000	59.9	61.4	62.9	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 2500	65.8	67.5	69.4	70.6	71.4	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 2000	71.8	73.8	75.8	77.4	78.5	78.6	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
GE 1800	73.5	75.7	77.7	79.6	81.0	81.2	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 1500	76.6	79.4	81.8	84.4	85.9	86.2	86.6	87.0	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 1200	78.3	81.7	84.4	87.6	89.6	90.0	90.3	91.0	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5
GE 1000	78.5	82.0	84.8	88.6	91.0	91.6	92.0	92.8	92.8	93.3	93.7	93.7	93.9	93.9	93.9	94.0
GE 900	79.0	82.9	86.6	90.5	93.2	93.9	94.5	95.3	95.3	95.8	96.1	96.1	96.5	96.5	96.5	96.6
GE 800	79.5	83.3	87.0	91.2	94.0	94.6	95.3	96.0	96.0	96.6	96.9	96.9	97.2	97.2	97.2	97.3
GE 700	79.5	83.3	87.0	91.2	94.1	94.8	95.7	96.5	96.5	97.2	97.5	97.5	97.8	97.8	97.8	98.0
GE 600	79.5	83.3	87.2	91.4	94.3	95.1	96.1	96.9	96.9	97.6	98.0	98.0	98.4	98.4	98.4	98.5
GE 500	79.6	83.5	87.4	91.6	94.6	95.5	96.6	97.3	97.3	98.1	98.4	98.4	98.8	98.8	98.8	98.9
GE 400	79.7	83.7	87.5	91.7	94.8	95.8	97.0	97.8	97.8	98.6	98.9	98.9	99.4	99.4	99.4	99.5
GE 300	79.7	83.7	87.5	91.7	94.9	95.9	97.1	98.0	98.0	98.7	99.0	99.0	99.5	99.5	99.5	99.7
GE 200	79.7	83.7	87.5	91.7	94.9	95.9	97.1	98.1	98.2	98.9	99.4	99.4	99.8	99.8	99.8	100.0
GE 100	79.7	83.7	87.5	91.7	94.9	95.9	97.1	98.1	98.2	98.9	99.4	99.4	99.8	99.8	99.8	100.0
GE 000	79.7	83.7	87.5	91.7	94.9	95.9	97.1	98.1	98.2	98.9	99.4	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.2	35.7	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 20000	40.3	40.9	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 18000	40.3	40.9	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 16000	40.4	41.0	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	41.1	41.6	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	42.2	42.7	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	44.8	45.4	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 9000	45.2	45.7	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 8000	48.5	49.0	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 7000	50.8	51.3	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	51.1	51.6	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 5000	53.4	54.1	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 4500	54.9	55.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4000	56.8	57.6	58.7	58.8	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 3500	59.7	60.5	61.6	61.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3000	63.9	64.8	66.2	66.3	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 2500	68.6	70.1	72.2	72.3	73.0	73.0	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7
GE 2000	73.8	75.8	78.4	78.6	79.5	79.6	80.0	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4
GE 1800	74.7	76.9	79.8	80.1	81.1	81.2	81.6	81.8	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2
GE 1500	78.8	81.6	85.6	86.0	87.3	87.4	87.8	88.2	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.7
GE 1200	79.9	82.7	87.0	87.7	89.5	89.6	90.2	90.5	90.6	91.0	91.1	91.1	91.2	91.2	91.2	91.2
GE 1000	80.1	83.1	87.7	88.7	91.2	91.3	92.2	92.5	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.7
GE 900	80.4	83.5	88.5	89.5	91.9	92.0	93.0	93.3	93.4	94.1	94.4	94.4	94.5	94.5	94.5	94.5
GE 800	80.4	83.7	88.7	89.8	92.4	92.5	93.7	94.3	94.7	95.4	95.7	95.7	95.8	95.8	95.8	95.8
GE 700	80.4	83.7	88.8	89.9	92.7	92.9	94.3	94.9	95.5	96.1	96.5	96.5	96.6	96.6	96.6	96.6
GE 600	80.4	83.7	88.8	90.0	93.0	93.5	95.1	95.7	96.2	97.0	97.3	97.3	97.4	97.5	97.5	97.5
GE 500	80.4	83.7	89.1	90.3	93.5	94.4	95.9	96.6	97.2	98.0	98.4	98.4	98.5	98.6	98.6	98.6
GE 400	80.4	83.8	89.2	90.4	93.7	94.6	96.1	96.8	97.4	98.4	98.8	98.8	98.9	99.0	99.0	99.0
GE 300	80.4	83.8	89.2	90.4	93.8	94.7	96.2	97.0	97.6	98.6	99.2	99.2	99.4	99.6	99.7	99.8
GE 200	80.4	83.8	89.2	90.4	93.8	94.8	96.5	97.2	97.8	98.8	99.5	99.5	99.6	99.8	99.9	100.0
GE 100	80.4	83.8	89.2	90.4	93.8	94.8	96.5	97.2	97.8	98.8	99.5	99.5	99.6	99.8	99.9	100.0
GE 000	80.4	83.8	89.2	90.4	93.8	94.8	96.5	97.2	97.8	98.8	99.5	99.5	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.4	34.1	34.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	38.0	38.8	39.0	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 18000	38.0	38.8	39.0	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 16000	38.0	38.8	39.0	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 14000	38.4	39.2	39.5	39.9	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 12000	39.8	40.6	40.9	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 10000	42.9	43.8	44.0	44.4	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	43.5	44.4	44.6	45.1	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 8000	46.0	46.9	47.1	47.5	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 7000	47.4	48.3	48.5	48.9	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000	47.8	48.7	49.1	49.6	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 5000	51.1	51.9	52.4	52.8	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 4500	53.3	54.4	54.8	55.3	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4000	55.7	56.9	57.4	57.8	58.3	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8
GE 3500	58.1	59.2	59.9	60.4	61.1	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6
GE 3000	62.5	63.9	65.1	65.6	66.6	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 2500	66.7	68.6	70.4	71.1	72.0	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 2000	70.9	73.2	75.8	76.6	78.0	78.4	78.7	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2
GE 1800	72.5	74.9	77.5	78.3	79.8	80.2	80.5	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1
GE 1500	76.8	79.7	82.5	83.2	84.8	85.3	85.7	85.9	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2
GE 1200	77.7	80.8	83.8	84.8	86.9	87.3	87.8	88.4	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.7
GE 1000	78.9	82.2	85.3	86.3	88.9	89.6	90.4	91.0	91.0	91.1	91.4	91.4	91.5	91.5	91.5	91.5
GE 900	79.8	83.0	86.3	87.7	90.5	91.3	92.4	92.9	92.9	93.0	93.3	93.3	93.4	93.4	93.4	93.4
GE 800	79.8	83.0	86.8	88.5	91.5	92.3	93.7	94.4	94.5	94.8	95.2	95.2	95.3	95.3	95.3	95.3
GE 700	79.8	83.1	87.0	88.7	91.9	92.7	94.1	94.8	94.9	95.3	95.6	95.6	95.7	95.7	95.7	95.7
GE 600	79.8	83.2	87.3	89.2	92.8	93.8	95.3	96.0	96.3	96.7	97.0	97.0	97.1	97.1	97.1	97.1
GE 500	79.8	83.7	88.0	89.9	93.7	94.6	96.2	97.2	97.5	98.0	98.5	98.5	98.6	98.6	98.6	98.6
GE 400	79.8	83.7	88.0	89.9	93.7	94.6	96.5	97.6	98.3	98.7	99.2	99.2	99.4	99.4	99.4	99.4
GE 300	79.8	83.7	88.0	89.9	93.8	94.7	96.6	97.7	98.4	98.8	99.4	99.4	99.5	99.5	99.5	99.5
GE 200	79.8	83.7	88.1	90.0	93.9	94.8	96.7	97.8	98.5	98.9	99.5	99.5	99.6	99.7	99.8	99.8
GE 100	79.8	83.7	88.1	90.0	93.9	94.8	96.7	97.8	98.5	98.9	99.5	99.5	99.6	99.7	99.8	99.9
GE 000	79.8	83.7	88.1	90.0	93.9	94.8	96.7	97.8	98.5	99.0	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.0	33.0	33.8	34.4	35.0	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	36.1	37.2	38.1	38.7	39.5	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 18000	36.2	37.3	38.2	38.8	39.6	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 16000	36.3	37.4	38.3	38.9	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 14000	36.6	37.7	38.6	39.2	39.9	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000	37.9	39.0	39.9	40.6	41.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 10000	40.6	41.8	42.8	43.5	44.3	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 9000	41.3	42.5	43.5	44.2	45.0	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 8000	44.4	45.8	46.8	47.5	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 7000	46.0	47.3	48.3	49.2	50.0	50.1	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000	46.7	48.1	49.2	50.0	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 5000	48.9	50.3	51.5	52.4	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 4500	50.4	51.8	53.0	54.0	54.8	55.0	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 4000	52.2	53.6	54.9	55.9	56.9	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 3500	54.3	55.8	57.3	58.3	59.4	59.6	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 3000	57.6	59.3	61.1	62.2	63.5	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 2500	62.2	64.1	66.4	67.8	69.3	69.6	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 2000	67.0	69.2	71.9	73.4	75.2	75.6	76.0	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4
GE 1800	68.3	70.6	73.3	74.9	76.8	77.3	77.7	77.9	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE 1500	71.9	74.9	78.2	80.0	82.2	82.8	83.3	83.7	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1
GE 1200	73.8	76.9	80.8	82.9	85.6	86.3	86.9	87.5	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0
GE 1000	74.7	78.2	82.4	84.9	88.3	89.1	89.9	90.6	90.7	91.0	91.2	91.2	91.3	91.3	91.3	91.4
GE 900	75.2	78.8	83.4	86.1	89.7	90.5	91.4	92.1	92.2	92.6	92.8	92.8	92.9	92.9	92.9	92.9
GE 800	75.5	79.2	83.9	86.9	90.8	91.7	92.8	93.6	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.6
GE 700	75.6	79.3	84.3	87.3	91.5	92.5	93.7	94.7	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.8
GE 600	75.6	79.5	84.6	87.9	92.3	93.4	94.9	96.0	96.3	96.7	97.0	97.0	97.1	97.1	97.1	97.2
GE 500	75.6	79.6	84.9	88.2	92.8	94.0	95.6	96.8	97.1	97.7	98.1	98.1	98.2	98.2	98.2	98.3
GE 400	75.6	79.6	84.9	88.4	93.0	94.3	96.1	97.4	97.7	98.5	98.9	98.9	99.1	99.1	99.1	99.2
GE 300	75.7	79.7	85.0	88.4	93.1	94.4	96.2	97.6	97.9	98.8	99.3	99.3	99.5	99.5	99.5	99.6
GE 200	75.7	79.7	85.0	88.4	93.1	94.4	96.2	97.6	98.0	98.9	99.5	99.5	99.7	99.8	99.8	99.9
GE 100	75.7	79.7	85.0	88.4	93.1	94.4	96.2	97.6	98.0	98.9	99.5	99.5	99.7	99.8	99.8	100.0
GE 000	75.7	79.7	85.0	88.4	93.1	94.4	96.2	97.6	98.0	98.9	99.5	99.5	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.4	33.1	34.0	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6
GE 20000	35.3	36.1	37.0	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
GE 18000	35.3	36.1	37.0	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
GE 16000	35.3	36.1	37.0	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
GE 14000	36.2	36.9	37.8	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5
GE 12000	36.9	37.6	38.5	39.5	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.2
GE 10000	41.1	41.8	42.9	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
GE 9000	42.7	43.4	44.4	45.4	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1
GE 8000	44.4	45.3	46.3	47.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0
GE 7000	46.3	47.2	48.2	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
GE 6000	47.5	48.5	49.5	50.5	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4
GE 5000	50.0	50.9	52.4	53.3	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3
GE 4500	51.7	52.6	54.3	55.2	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
GE 4000	54.5	56.1	58.0	59.0	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
GE 3500	56.7	58.4	60.3	61.2	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 3000	60.2	62.2	64.1	65.2	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
GE 2500	63.6	65.6	67.5	68.8	69.6	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 2000	68.2	70.2	72.5	74.0	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
GE 1800	68.7	70.7	73.0	74.6	75.5	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
GE 1500	70.9	73.0	75.9	77.5	78.6	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3
GE 1200	73.9	76.1	79.2	80.9	81.9	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
GE 1000	75.3	77.5	80.6	82.5	84.2	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.5
GE 900	75.7	78.1	81.3	83.3	85.2	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.0	87.1
GE 800	75.9	78.4	81.9	84.5	86.6	87.9	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.2	89.4
GE 700	76.2	79.2	82.9	85.6	88.1	89.6	90.1	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.5	91.6
GE 600	76.5	79.9	83.6	86.3	89.0	90.5	91.0	91.8	92.1	92.3	92.6	92.9	93.0	93.0	93.5	93.6
GE 500	76.5	79.9	83.8	86.6	89.6	91.4	92.0	93.0	93.5	94.0	94.2	94.6	94.7	94.7	95.2	95.3
GE 400	76.5	79.9	83.8	86.6	89.7	91.5	92.6	93.6	94.4	94.9	95.5	95.9	96.1	96.1	96.6	96.7
GE 300	76.6	80.0	83.9	86.8	89.8	91.6	92.7	94.7	95.9	96.6	97.3	97.8	98.1	98.1	98.6	98.7
GE 200	76.6	80.0	83.9	86.8	89.8	91.6	92.7	94.8	96.0	96.8	97.5	98.0	98.6	98.7	99.3	99.4
GE 100	76.6	80.0	83.9	86.8	89.8	91.6	92.7	94.8	96.0	96.8	97.5	98.0	98.6	98.7	99.4	99.8
GE 000	76.6	80.0	83.9	86.8	89.8	91.6	92.7	94.8	96.0	96.8	97.5	98.0	98.6	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CRIL	29.4	31.0	31.8	32.6	33.7	34.0	34.0	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.6
GE 20000	32.0	33.7	34.8	35.6	36.6	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.6
GE 18000	32.0	33.7	34.8	35.6	36.6	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.6
GE 16000	32.0	33.7	34.8	35.6	36.6	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.6
GE 14000	32.2	33.8	34.9	35.7	36.8	37.1	37.1	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.7
GE 12000	32.4	34.2	35.2	36.1	37.1	37.5	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	38.1
GE 10000	36.1	37.9	39.1	40.0	41.0	41.4	41.4	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	42.0
GE 9000	37.2	39.1	40.3	41.1	42.2	42.6	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	43.1
GE 8000	40.0	42.2	43.4	44.2	45.4	45.7	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.3
GE 7000	41.1	43.4	44.6	45.5	46.8	47.2	47.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.8
GE 6000	42.0	44.6	45.7	46.7	48.0	48.3	48.3	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.9
GE 5000	44.9	47.5	48.7	49.6	51.1	51.4	51.4	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.8	52.1
GE 4500	46.2	48.8	50.0	50.9	52.4	52.7	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.1	53.4
GE 4000	49.4	52.0	53.5	54.7	56.1	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.9	57.2
GE 3500	51.4	54.0	55.6	56.7	58.2	58.5	58.5	58.7	58.7	58.9	58.9	58.9	58.9	58.9	59.0	59.3
GE 3000	54.0	56.6	58.2	59.3	60.9	61.5	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.1	62.4
GE 2500	57.3	59.9	61.8	63.2	64.9	65.7	66.0	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.9
GE 2000	60.5	63.2	65.6	67.0	68.9	69.9	70.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7	71.0
GE 1800	61.3	64.1	66.4	68.0	69.9	70.8	71.0	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	72.0
GE 1500	63.2	66.0	68.7	70.2	72.1	73.2	73.5	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.9
GE 1200	67.1	70.1	72.8	74.3	76.4	77.8	78.5	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.7	80.0
GE 1000	69.0	72.2	75.2	77.0	80.0	81.8	82.7	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.2	84.5
GE 900	69.3	72.6	75.5	77.5	80.6	82.7	83.7	84.7	84.5	85.0	85.0	85.0	85.0	85.0	85.1	85.5
GE 800	70.1	73.5	76.6	78.7	82.0	84.3	85.6	86.4	86.4	87.0	87.0	87.0	87.0	87.0	87.1	87.5
GE 700	70.8	74.6	77.9	80.1	83.7	86.3	87.6	88.5	88.5	89.2	89.5	89.5	89.5	89.5	89.6	90.0
GE 600	71.3	75.2	78.8	81.2	85.3	88.2	89.7	90.9	90.9	91.8	92.1	92.1	92.1	92.1	92.2	92.6
GE 500	71.5	75.5	79.3	82.0	86.5	89.5	91.3	92.9	92.9	94.1	94.3	94.3	94.3	94.3	94.4	94.8
GE 400	71.5	75.5	79.4	82.2	86.6	89.6	91.6	93.3	93.3	94.4	94.9	94.9	94.9	94.9	95.0	95.4
GE 300	71.6	75.7	79.6	82.3	86.8	89.8	92.1	94.0	94.1	95.3	96.0	96.0	96.0	96.3	96.5	96.8
GE 200	71.6	75.7	79.6	82.3	86.8	89.8	92.1	94.1	94.2	95.6	96.3	96.3	96.9	97.0	97.3	97.6
GE 100	71.6	75.7	79.6	82.3	86.8	89.8	92.1	94.1	94.2	95.6	96.5	96.5	97.2	97.4	97.6	98.7
GE 000	71.6	75.7	79.6	82.3	86.8	89.8	92.1	94.1	94.2	95.6	96.5	96.5	97.2	97.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.0	29.1	30.6	31.7	34.3	34.8	35.2	35.3	35.3	35.3	35.6	35.6	35.7	35.7	35.9	36.1
GE 20000	32.2	33.3	35.0	36.3	39.0	39.5	40.0	40.1	40.1	40.1	40.3	40.3	40.4	40.4	40.7	40.8
GE 18000	32.3	33.5	35.1	36.4	39.1	39.6	40.1	40.2	40.2	40.2	40.4	40.4	40.5	40.5	40.8	40.9
GE 16000	32.3	33.5	35.1	36.4	39.1	39.6	40.1	40.2	40.2	40.2	40.4	40.4	40.5	40.5	40.8	40.9
GE 14000	32.3	33.5	35.1	36.4	39.1	39.6	40.1	40.2	40.2	40.2	40.4	40.4	40.5	40.5	40.8	40.9
GE 12000	32.6	33.8	35.5	36.8	39.5	40.0	40.4	40.5	40.5	40.5	40.8	40.8	40.9	40.9	41.1	41.3
GE 10000	34.5	35.9	37.8	39.1	42.0	42.6	43.0	43.1	43.1	43.1	43.4	43.4	43.5	43.5	43.7	43.9
GE 9000	35.2	36.6	38.5	39.8	42.7	43.3	43.7	43.9	43.9	43.9	44.1	44.1	44.2	44.2	44.4	44.6
GE 8000	37.2	38.7	40.5	41.8	44.7	45.3	45.7	45.9	45.9	45.9	46.1	46.1	46.2	46.2	46.5	46.6
GE 7000	38.7	40.2	42.1	43.4	46.2	46.8	47.3	47.4	47.4	47.4	47.6	47.6	47.8	47.8	48.0	48.1
GE 6000	39.6	41.3	43.5	44.9	47.8	48.3	48.8	48.9	48.9	48.9	49.2	49.2	49.3	49.3	49.5	49.6
GE 5000	41.0	42.7	45.2	46.7	49.5	50.1	50.6	50.7	50.7	50.7	50.9	50.9	51.1	51.1	51.3	51.4
GE 4500	43.1	45.0	47.5	49.6	52.5	53.1	53.5	53.7	53.7	53.7	53.9	53.9	54.0	54.0	54.3	54.4
GE 4000	45.9	47.8	50.2	52.7	55.6	56.1	56.6	56.7	56.7	56.9	57.1	57.1	57.2	57.2	57.4	57.6
GE 3500	47.2	49.1	51.7	54.1	57.1	57.7	58.2	58.3	58.3	58.4	58.6	58.6	58.7	58.7	59.0	59.1
GE 3000	49.2	51.2	53.9	56.4	59.3	60.2	60.6	60.8	60.8	60.9	61.1	61.1	61.2	61.2	61.5	61.6
GE 2500	52.5	54.6	57.4	59.9	63.1	63.9	64.4	64.5	64.5	64.7	64.9	64.9	65.0	65.0	65.2	65.4
GE 2000	55.9	58.3	61.7	64.4	68.0	68.8	69.5	69.6	69.6	69.7	70.0	70.0	70.1	70.1	70.3	70.4
GE 1800	56.3	58.6	62.2	64.9	68.4	69.3	70.0	70.1	70.1	70.3	70.6	70.6	70.7	70.7	70.9	71.0
GE 1500	58.0	60.6	64.9	68.2	72.2	73.0	74.1	74.5	74.7	75.1	75.3	75.3	75.4	75.4	75.7	75.8
GE 1200	61.5	64.3	68.8	72.2	76.5	77.4	78.7	79.3	79.6	80.0	80.3	80.3	80.4	80.4	80.6	80.7
GE 1000	62.9	66.0	70.6	74.0	78.5	79.8	81.3	82.3	82.6	83.5	83.7	83.7	83.8	83.8	84.0	84.2
GE 900	63.8	67.1	71.7	75.7	80.3	81.7	83.5	84.5	84.9	85.8	86.2	86.2	86.3	86.3	86.5	86.6
GE 800	64.5	68.0	73.0	77.2	81.9	83.5	85.6	86.8	87.1	88.2	88.5	88.5	88.7	88.7	88.9	89.0
GE 700	64.8	68.4	73.9	78.3	83.2	84.8	87.0	88.3	88.7	89.8	90.5	90.5	90.7	90.7	90.9	91.0
GE 600	64.9	68.6	74.0	78.5	84.3	85.8	88.4	90.1	90.4	91.8	92.7	92.7	92.8	92.8	93.0	93.1
GE 500	64.9	68.6	74.1	78.6	84.8	86.3	88.9	90.9	91.3	93.3	94.1	94.1	94.2	94.2	94.4	94.6
GE 400	64.9	68.6	74.1	78.6	85.0	86.5	89.5	91.6	92.2	94.2	95.3	95.3	95.5	95.5	95.7	95.9
GE 300	64.9	68.6	74.1	78.6	85.0	86.5	89.5	92.1	92.9	95.2	96.3	96.3	96.6	96.6	97.0	97.2
GE 200	64.9	68.6	74.1	78.6	85.0	86.5	89.5	92.1	93.0	95.3	96.6	96.7	96.9	97.3	97.6	97.9
GE 100	64.9	68.6	74.1	78.6	85.0	86.5	89.5	92.1	93.0	95.3	96.6	96.7	97.2	97.6	98.1	99.3
GE 000	64.9	68.6	74.1	78.6	85.0	86.5	89.5	92.1	93.0	95.3	96.6	96.7	97.2	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.9	32.4	33.3	34.4	35.6	36.3	36.8	36.9	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2
GE 20000	36.5	37.0	38.1	39.2	40.5	41.3	41.8	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000	36.6	37.1	38.2	39.5	40.8	41.5	42.1	42.2	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6
GE 16000	36.6	37.1	38.2	39.5	40.8	41.5	42.1	42.2	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6
GE 14000	36.6	37.1	38.2	39.5	40.8	41.5	42.1	42.2	42.2	42.6	42.7	42.7	42.7	42.7	42.7	42.7
GE 12000	37.2	37.8	39.1	40.4	41.7	42.4	43.0	43.1	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6
GE 10000	39.1	39.7	41.0	42.4	43.9	44.7	45.3	45.4	45.4	45.7	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	39.6	40.2	41.5	42.9	44.3	45.2	45.7	45.9	45.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3
GE 8000	41.4	42.0	43.3	44.7	46.1	46.9	47.5	47.6	47.6	48.0	48.1	48.1	48.1	48.1	48.1	48.1
GE 7000	42.7	43.5	44.8	46.2	47.6	48.5	49.1	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000	43.6	44.6	45.9	47.4	48.8	49.6	50.2	50.4	50.4	50.7	50.8	50.8	50.8	50.8	50.8	50.8
GE 5000	44.8	45.9	47.2	48.7	50.1	50.9	51.5	51.7	51.7	52.0	52.1	52.1	52.1	52.1	52.1	52.1
GE 4500	45.7	46.8	48.3	50.0	51.7	52.5	53.1	53.2	53.2	53.5	53.7	53.7	53.7	53.7	53.7	53.7
GE 4000	46.9	48.0	49.6	51.4	53.1	53.9	54.6	54.7	54.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2
GE 3500	47.8	48.9	51.1	52.8	54.5	55.3	56.0	56.1	56.1	56.5	56.6	56.6	56.7	56.7	56.7	56.7
GE 3000	50.2	51.4	53.5	55.3	57.1	57.9	58.6	58.7	58.7	59.1	59.2	59.2	59.3	59.3	59.3	59.3
GE 2500	53.4	54.8	57.6	59.5	61.6	62.4	63.1	63.5	63.5	63.8	63.9	63.9	64.1	64.1	64.1	64.1
GE 2000	55.6	57.4	60.3	62.2	64.7	65.6	66.7	67.3	67.3	67.7	67.8	67.8	68.0	68.0	68.0	68.0
GE 1800	56.0	58.0	60.9	62.8	65.4	66.3	67.6	68.2	68.2	68.7	68.8	68.8	68.9	68.9	68.9	68.9
GE 1500	58.6	60.9	64.7	66.8	69.6	70.6	72.2	72.8	73.0	73.5	73.6	73.6	73.8	73.8	73.8	73.8
GE 1200	60.6	63.2	67.8	70.4	74.0	75.2	77.1	77.8	78.0	78.6	78.7	78.7	78.8	78.8	78.8	78.8
GE 1000	62.6	65.5	70.7	73.9	78.0	79.7	81.6	82.6	82.9	83.8	84.2	84.2	84.5	84.5	84.5	84.5
GE 900	62.9	65.8	71.7	75.2	79.6	81.3	83.2	84.6	85.1	86.1	86.6	86.6	87.0	87.0	87.2	87.2
GE 800	63.4	66.5	72.9	77.0	81.4	83.2	85.6	87.6	88.2	89.2	89.8	89.8	90.2	90.2	90.4	90.4
GE 700	63.4	66.5	72.9	77.3	82.2	83.9	86.4	88.4	89.2	90.4	91.3	91.3	91.6	91.6	91.8	91.8
GE 600	63.4	66.5	72.9	77.3	82.4	84.2	87.2	89.7	90.8	92.0	92.9	92.9	93.3	93.3	93.5	93.5
GE 500	63.5	66.7	73.2	77.5	82.6	84.8	88.3	91.1	92.3	93.7	94.7	94.7	95.2	95.2	95.4	95.5
GE 400	63.7	67.0	73.5	77.9	83.1	85.5	89.2	92.6	94.0	95.5	96.6	96.6	97.0	97.0	97.4	97.5
GE 300	63.7	67.0	73.5	77.9	83.1	85.5	89.4	93.1	94.7	96.3	97.4	97.4	97.9	98.3	98.7	99.1
GE 200	63.7	67.0	73.5	77.9	83.1	85.5	89.4	93.1	94.7	96.5	97.8	97.8	98.3	98.8	99.2	99.5
GE 100	63.7	67.0	73.5	77.9	83.1	85.5	89.4	93.1	94.7	96.5	97.8	97.8	98.3	98.8	99.2	99.8
GE 000	63.7	67.0	73.5	77.9	83.1	85.5	89.4	93.1	94.7	96.5	97.8	97.8	98.3	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.2	35.0	36.1	36.1	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	39.1	40.0	41.0	41.0	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 18000	39.1	40.0	41.0	41.0	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 16000	39.1	40.0	41.0	41.0	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 14000	39.4	40.2	41.3	41.3	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 12000	40.3	41.1	42.2	42.2	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 10000	43.3	44.3	45.4	45.4	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 9000	44.0	45.0	46.1	46.1	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 8000	45.5	46.6	47.6	47.6	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 7000	47.3	48.3	49.4	49.4	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 6000	47.9	48.9	50.1	50.1	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 5000	48.3	49.4	50.6	50.6	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 4500	49.2	50.2	51.4	51.4	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 4000	50.4	51.5	52.7	52.8	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 3500	52.2	53.4	54.6	54.8	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 3000	55.2	56.5	57.7	58.2	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 2500	61.2	62.9	64.3	64.9	65.7	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 2000	65.5	67.7	69.3	70.6	72.1	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1800	66.1	68.3	70.2	71.7	73.3	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 1500	68.9	71.6	74.5	76.4	78.3	78.5	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4
GE 1200	72.0	75.2	78.8	80.7	82.7	83.2	83.8	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2
GE 1000	73.4	76.8	80.7	83.0	85.2	85.8	86.9	87.2	87.4	87.6	87.8	87.8	88.1	88.1	88.1	88.1
GE 900	73.9	77.7	82.5	85.0	87.4	87.9	89.1	89.6	89.7	90.0	90.4	90.4	90.7	90.7	90.7	90.7
GE 800	73.9	77.7	82.6	85.3	88.1	89.0	90.4	91.0	91.1	91.4	91.8	91.8	92.1	92.1	92.1	92.1
GE 700	74.0	77.8	82.7	85.7	89.5	90.4	91.8	92.6	92.7	93.0	93.5	93.5	93.7	93.7	93.7	93.7
GE 600	74.0	77.8	82.7	85.7	89.6	91.0	92.7	94.3	94.4	94.9	95.4	95.4	95.6	95.6	95.6	95.6
GE 500	74.1	78.0	83.1	86.1	90.1	91.7	93.6	95.3	95.5	96.1	96.7	96.7	96.9	96.9	96.9	97.3
GE 400	74.3	78.3	83.6	86.5	90.5	92.7	94.8	96.7	96.9	97.8	98.3	98.3	98.6	98.6	98.6	98.9
GE 300	74.3	78.3	83.6	86.5	90.5	92.7	94.8	96.7	97.0	97.9	98.5	98.5	99.1	99.1	99.1	99.4
GE 200	74.3	78.3	83.6	86.5	90.5	92.7	94.8	96.7	97.0	98.1	98.8	98.8	99.5	99.5	99.5	99.9
GE 100	74.3	78.3	83.6	86.5	90.5	92.7	94.8	96.7	97.0	98.1	98.8	98.8	99.5	99.5	99.5	100.0
GE 000	74.3	78.3	83.6	86.5	90.5	92.7	94.8	96.7	97.0	98.1	98.8	98.8	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.7	37.1	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 20000	41.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 18000	41.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 16000	41.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 14000	42.3	43.9	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 12000	43.6	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	44.9	46.5	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 9000	45.4	46.9	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 8000	47.4	48.9	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 7000	49.4	50.9	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 6000	50.1	51.7	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 5000	51.2	52.8	53.5	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 4500	52.0	53.8	54.5	54.7	54.7	54.7	54.8	54.8	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1
GE 4000	53.0	54.7	55.7	56.0	56.1	56.1	56.3	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5
GE 3500	56.0	58.0	59.0	59.3	59.5	59.5	59.6	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8
GE 3000	58.2	60.2	61.1	61.5	61.7	61.8	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 2500	64.2	66.5	67.8	68.7	69.3	69.4	69.9	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.2
GE 2000	69.1	72.0	73.4	74.7	75.5	75.7	76.5	76.5	76.5	76.6	76.7	76.7	77.0	77.0	77.0	77.0
GE 1800	70.3	73.3	74.7	76.0	76.8	77.0	77.8	77.8	77.8	77.9	78.0	78.0	78.3	78.3	78.3	78.3
GE 1500	71.7	74.8	76.6	78.0	79.1	79.2	80.1	80.1	80.1	80.3	80.5	80.5	80.7	80.7	80.7	80.7
GE 1200	73.3	76.6	79.3	81.3	83.1	83.3	84.3	84.5	84.5	84.6	84.9	84.9	85.1	85.1	85.1	85.1
GE 1000	74.0	77.7	80.7	82.9	84.9	85.2	86.3	86.5	86.5	86.8	87.1	87.1	87.4	87.4	87.4	87.4
GE 900	74.6	78.6	82.0	84.6	87.0	87.6	88.7	89.1	89.2	89.5	90.1	90.2	90.4	90.4	90.4	90.4
GE 800	74.8	78.8	82.6	85.3	87.9	88.9	90.1	90.8	90.9	91.3	92.1	92.2	92.4	92.4	92.4	92.4
GE 700	74.8	79.0	82.7	85.6	88.9	90.1	91.4	92.2	92.3	92.7	93.5	93.6	93.9	93.9	93.9	93.9
GE 600	75.2	79.3	83.2	86.2	89.5	90.9	92.7	93.5	93.7	94.2	95.2	95.3	95.6	95.6	95.7	95.7
GE 500	75.2	79.3	83.2	86.2	89.7	91.3	93.4	94.6	94.9	95.4	96.5	96.6	97.0	97.0	97.2	97.2
GE 400	75.2	79.3	83.2	86.3	90.1	91.6	93.9	95.6	96.0	96.5	97.8	97.9	98.5	98.5	98.6	98.6
GE 300	75.2	79.3	83.2	86.3	90.1	91.7	94.1	96.2	96.6	97.0	98.7	98.8	99.5	99.5	99.6	99.6
GE 200	75.2	79.3	83.2	86.3	90.1	91.7	94.1	96.2	96.6	97.0	98.8	99.1	99.8	99.8	99.9	99.9
GE 100	75.2	79.3	83.2	86.3	90.1	91.7	94.1	96.2	96.6	97.0	98.8	99.1	99.8	99.8	99.9	99.9
GE 000	75.2	79.3	83.2	86.3	90.1	91.7	94.1	96.2	96.6	97.0	98.8	99.1	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.9	36.4	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 20000	42.3	42.8	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	42.3	42.8	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 16000	42.3	42.8	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	42.9	43.4	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 12000	43.6	44.1	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 10000	46.9	47.4	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 9000	47.2	47.6	48.3	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 8000	48.8	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 7000	50.2	50.7	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 6000	52.1	52.6	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	53.9	54.4	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 4500	55.7	56.3	57.2	57.9	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4000	57.2	57.8	58.7	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 3500	59.9	60.6	61.6	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 3000	62.9	63.6	64.5	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 2500	67.6	69.0	70.0	70.8	71.4	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
GE 2000	72.6	74.6	75.7	77.0	77.7	77.7	77.9	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3
GE 1800	74.2	76.6	77.8	79.1	79.8	79.8	80.0	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4
GE 1500	76.7	79.6	81.0	82.7	83.6	83.6	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 1200	77.5	80.4	82.5	84.5	85.3	85.3	85.7	85.8	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	78.0	81.1	83.3	85.6	86.4	86.5	87.0	87.4	87.5	87.8	87.9	87.9	88.1	88.1	88.1	88.1
GE 900	78.6	81.8	84.0	86.5	87.7	88.1	88.5	88.9	89.0	89.4	89.5	89.5	89.6	89.6	89.6	89.6
GE 800	79.2	82.7	85.2	87.7	89.5	90.1	90.5	90.9	91.1	92.3	92.6	92.6	92.7	92.7	92.7	92.7
GE 700	79.3	82.9	85.6	88.3	90.3	91.1	91.7	92.1	92.3	93.6	93.9	93.9	94.0	94.0	94.0	94.0
GE 600	79.3	83.2	85.9	88.8	90.8	91.8	92.4	92.8	93.1	94.7	95.0	95.2	95.3	95.4	95.4	95.4
GE 500	79.3	83.2	85.9	88.8	90.8	92.1	92.9	93.6	94.1	95.9	96.3	96.6	96.7	96.8	96.8	96.8
GE 400	79.3	83.2	85.9	88.8	90.8	92.2	93.1	94.1	94.6	96.5	96.9	97.2	97.3	97.4	97.4	97.4
GE 300	79.3	83.2	85.9	88.8	91.0	92.4	93.4	94.3	94.8	97.3	98.1	98.3	98.6	98.7	98.7	98.7
GE 200	79.3	83.2	85.9	88.8	91.0	92.4	93.4	94.4	94.9	97.6	98.5	98.7	99.2	99.5	99.6	99.6
GE 100	79.3	83.2	85.9	88.8	91.0	92.4	93.4	94.4	94.9	97.6	98.5	98.7	99.2	99.8	99.9	99.9
GE 000	79.3	83.2	85.9	88.8	91.0	92.4	93.4	94.4	94.9	97.6	98.5	98.7	99.2	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.3	34.5	34.8	35.1	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 20000	40.5	40.8	41.0	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000	40.5	40.8	41.0	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 16000	40.5	40.8	41.0	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000	41.4	41.6	41.8	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 12000	42.7	42.9	43.1	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 10000	47.2	47.4	47.6	48.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 9000	48.0	48.2	48.5	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 8000	48.5	48.7	48.9	49.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 7000	48.9	49.3	49.5	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 6000	49.6	50.0	50.2	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
GE 5000	52.7	53.1	53.3	54.1	54.8	54.8	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
GE 4500	55.3	55.9	56.1	57.0	57.8	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
GE 4000	57.8	58.4	59.0	59.9	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
GE 3500	60.6	61.2	61.8	62.8	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 3000	64.3	65.0	65.6	66.5	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
GE 2500	68.4	69.5	70.2	71.3	72.5	72.5	72.5	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8
GE 2000	72.7	74.0	74.8	76.1	77.3	77.3	77.3	77.4	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8
GE 1800	73.5	74.9	76.1	77.5	78.7	78.7	78.7	78.8	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2
GE 1500	76.5	77.9	79.4	81.2	82.7	83.3	83.3	83.5	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8
GE 1200	77.8	79.2	80.7	82.7	84.4	85.1	85.1	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6
GE 1000	79.0	80.6	82.4	84.6	86.6	87.5	87.5	87.7	87.8	87.8	88.1	88.1	88.2	88.2	88.2	88.2
GE 900	79.1	80.9	82.7	85.1	87.4	88.2	88.2	88.4	88.5	88.5	88.8	88.8	88.9	88.9	88.9	88.9
GE 800	79.2	81.3	83.3	86.2	89.2	90.2	90.3	90.7	90.8	91.3	91.5	91.5	91.6	91.6	91.6	91.6
GE 700	79.6	82.0	84.3	87.1	90.4	91.4	91.5	91.8	92.0	92.6	93.0	93.0	93.1	93.1	93.1	93.1
GE 600	79.7	82.6	84.9	87.7	91.1	92.1	92.2	92.9	93.0	93.6	94.1	94.4	94.6	94.6	94.6	94.6
GE 500	79.7	82.7	85.0	88.2	91.7	92.8	92.9	94.0	94.3	95.2	95.9	96.2	96.3	96.3	96.3	96.3
GE 400	79.8	82.9	85.1	88.3	91.8	92.9	93.1	94.3	94.9	95.7	96.5	96.8	97.0	97.0	97.2	97.2
GE 300	79.9	83.0	85.2	88.4	92.3	93.4	93.6	94.8	95.5	97.2	98.3	98.7	99.1	99.1	99.2	99.2
GE 200	79.9	83.0	85.2	88.4	92.3	93.4	93.6	94.9	95.6	97.4	98.9	99.3	99.6	99.6	99.8	99.8
GE 100	79.9	83.0	85.2	88.4	92.3	93.4	93.6	94.9	95.6	97.4	98.9	99.3	99.6	99.6	99.8	99.8
GE 000	79.9	83.0	85.2	88.4	92.3	93.4	93.6	94.9	95.6	97.4	98.9	99.3	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.7	33.6	34.4	35.0	35.8	36.0	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.4
GE 20000	37.5	38.4	39.3	40.0	40.8	41.0	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.4
GE 18000	37.5	38.4	39.3	40.0	40.9	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
GE 16000	37.5	38.4	39.3	40.0	40.9	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
GE 14000	37.9	38.8	39.7	40.4	41.3	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.9
GE 12000	38.7	39.6	40.5	41.2	42.1	42.3	42.4	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.7
GE 10000	41.6	42.6	43.6	44.4	45.3	45.5	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.9
GE 9000	42.4	43.4	44.4	45.2	46.1	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.7
GE 8000	44.1	45.2	46.2	47.0	47.9	48.1	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.6
GE 7000	45.6	46.7	47.7	48.5	49.4	49.7	49.8	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.1
GE 6000	46.6	47.8	48.8	49.7	50.6	50.8	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.3
GE 5000	48.4	49.6	50.8	51.6	52.5	52.8	52.9	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.3
GE 4500	49.9	51.2	52.4	53.4	54.4	54.6	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.2
GE 4000	51.9	53.3	54.7	55.8	56.8	57.1	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.6	57.6
GE 3500	54.0	55.5	56.9	58.0	59.1	59.4	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.9	59.9
GE 3000	56.8	58.3	59.8	61.0	62.1	62.4	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.1
GE 2500	61.0	62.9	64.6	65.9	67.3	67.6	67.9	68.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.4
GE 2000	65.0	67.2	69.1	70.7	72.4	72.8	73.2	73.4	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.8
GE 1800	65.8	68.1	70.2	71.8	73.5	73.9	74.3	74.5	74.6	74.7	74.8	74.8	74.8	74.8	74.9	75.0
GE 1500	68.1	70.6	73.2	75.1	77.0	77.5	78.2	78.4	78.5	78.7	78.8	78.8	78.9	78.9	78.9	79.0
GE 1200	70.5	73.1	76.3	78.4	80.5	81.2	81.9	82.3	82.4	82.6	82.7	82.7	82.8	82.8	82.8	82.9
GE 1000	71.8	74.7	78.0	80.4	83.0	83.9	84.8	85.3	85.4	85.8	86.0	86.0	86.2	86.2	86.2	86.3
GE 900	72.2	75.3	79.0	81.6	84.4	85.4	86.4	87.0	87.2	87.6	87.9	87.9	88.0	88.0	88.2	88.3
GE 800	72.6	75.9	79.8	82.7	85.8	87.1	88.3	89.1	89.3	89.9	90.3	90.3	90.4	90.4	90.6	90.6
GE 700	72.9	76.3	80.4	83.5	87.0	88.4	89.7	90.6	90.8	91.5	92.0	92.0	92.2	92.2	92.3	92.4
GE 600	73.0	76.6	80.8	84.0	87.8	89.3	90.8	92.0	92.3	93.2	93.7	93.9	94.0	94.0	94.2	94.3
GE 500	73.1	76.7	81.0	84.2	88.2	90.0	91.7	93.2	93.6	94.7	95.3	95.5	95.7	95.7	95.8	96.0
GE 400	73.2	76.8	81.1	84.4	88.5	90.3	92.2	94.0	94.5	95.7	96.5	96.6	96.9	96.9	97.1	97.2
GE 300	73.2	76.9	81.1	84.4	88.6	90.5	92.4	94.5	95.2	96.6	97.6	97.7	98.1	98.2	98.4	98.6
GE 200	73.2	76.9	81.1	84.4	88.6	90.5	92.4	94.5	95.3	96.8	97.9	98.1	98.6	98.8	99.0	99.2
GE 100	73.2	76.9	81.1	84.4	88.6	90.5	92.4	94.5	95.3	96.8	97.9	98.1	98.7	98.9	99.2	99.6
GE 000	73.2	76.9	81.1	84.4	88.6	90.5	92.4	94.5	95.3	96.8	97.9	98.1	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.2	41.2	41.7	41.9	42.6	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 20000	44.4	45.6	46.1	46.3	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 18000	44.4	45.6	46.1	46.3	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 16000	44.4	45.6	46.1	46.3	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 14000	44.9	46.1	46.7	46.9	47.5	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 12000	46.3	47.5	48.1	48.3	48.9	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	48.4	49.6	50.1	50.3	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000	49.6	50.8	51.3	51.5	52.2	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 8000	52.2	53.3	54.0	54.2	54.8	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 7000	53.7	54.8	55.5	55.7	56.3	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 6000	55.5	56.7	57.3	57.5	58.3	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 5000	58.7	60.0	60.8	61.2	61.9	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4500	62.0	63.3	64.4	65.2	65.9	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4000	64.1	65.4	66.6	67.4	68.2	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3500	66.8	68.3	69.6	70.6	71.7	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	69.4	71.2	72.7	73.8	74.9	75.5	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2500	72.3	74.2	76.1	77.4	79.0	79.6	80.0	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2000	75.1	77.0	79.4	80.8	82.5	83.3	83.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	76.0	78.0	80.3	81.8	83.8	84.7	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1500	79.1	81.2	83.5	85.2	87.5	88.5	88.9	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1200	79.7	81.7	84.2	86.1	88.5	89.5	89.9	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	80.0	82.6	85.1	87.3	90.0	91.1	91.6	91.8	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 900	80.3	83.3	85.8	88.1	90.9	91.9	92.5	92.7	92.7	93.0	93.0	93.0	93.2	93.2	93.2	93.2
GE 800	80.8	84.1	87.0	89.6	93.0	94.1	94.7	94.9	94.9	95.3	95.3	95.3	95.5	95.5	95.5	95.5
GE 700	80.8	84.1	87.0	89.6	93.8	94.8	95.5	95.8	95.8	96.1	96.1	96.1	96.3	96.3	96.3	96.3
GE 600	80.8	84.1	87.1	89.8	94.3	95.4	96.5	96.8	96.8	97.2	97.2	97.2	97.4	97.4	97.4	97.4
GE 500	80.8	84.1	87.3	90.2	94.7	96.3	97.4	97.8	98.0	98.7	98.7	98.7	98.9	98.9	98.9	98.9
GE 400	80.8	84.1	87.3	90.2	94.7	96.5	97.7	98.4	98.5	99.2	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	80.8	84.1	87.3	90.2	94.7	96.5	97.7	98.4	98.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 200	80.8	84.1	87.3	90.2	94.7	96.5	97.7	98.4	98.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 100	80.8	84.1	87.3	90.2	94.7	96.5	97.7	98.4	98.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 000	80.8	84.1	87.3	90.2	94.7	96.5	97.7	98.4	98.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.8	37.5	38.8	39.2	40.4	40.4	40.6	40.9	40.9	40.9	41.1	41.1	41.3	41.3	41.3	41.4
GE 20000	41.8	42.8	44.1	44.6	45.8	45.8	46.0	46.2	46.2	46.2	46.5	46.5	46.7	46.7	46.7	46.8
GE 18000	41.8	42.8	44.1	44.6	45.8	45.8	46.0	46.2	46.2	46.2	46.5	46.5	46.7	46.7	46.7	46.8
GE 16000	41.8	42.8	44.1	44.6	45.8	45.8	46.0	46.2	46.2	46.2	46.5	46.5	46.7	46.7	46.7	46.8
GE 14000	42.2	43.1	44.4	44.9	46.1	46.1	46.3	46.6	46.6	46.6	46.8	46.8	47.0	47.0	47.0	47.1
GE 12000	43.2	44.2	45.5	46.0	47.2	47.2	47.4	47.6	47.6	47.6	47.8	47.8	48.1	48.1	48.1	48.2
GE 10000	44.9	45.9	47.2	47.7	48.9	48.9	49.1	49.4	49.4	49.4	49.6	49.6	49.8	49.8	49.8	49.9
GE 9000	45.9	46.9	48.2	48.7	49.9	49.9	50.1	50.3	50.3	50.3	50.5	50.5	50.8	50.8	50.8	50.9
GE 8000	48.7	49.7	51.1	51.6	52.9	53.1	53.3	53.5	53.5	53.5	53.8	53.8	54.0	54.0	54.0	54.1
GE 7000	50.4	51.4	52.8	53.3	54.6	54.8	55.1	55.3	55.3	55.3	55.5	55.5	55.7	55.7	55.7	55.8
GE 6000	51.9	52.9	54.3	54.8	56.1	56.3	56.6	56.8	56.8	56.8	57.0	57.0	57.2	57.2	57.2	57.3
GE 5000	54.4	55.4	56.8	57.4	58.7	58.9	59.1	59.4	59.4	59.4	59.6	59.6	59.8	59.8	59.8	59.9
GE 4500	57.7	58.8	60.3	61.0	62.3	62.5	62.7	62.9	62.9	62.9	63.1	63.1	63.3	63.3	63.3	63.4
GE 4000	59.4	60.4	61.9	62.6	63.9	64.1	64.3	64.5	64.5	64.5	64.7	64.7	64.9	64.9	64.9	65.1
GE 3500	62.7	63.9	65.7	66.5	67.7	68.0	68.3	68.5	68.5	68.5	68.7	68.7	68.9	68.9	68.9	69.0
GE 3000	65.3	66.9	68.8	69.7	71.0	71.2	71.5	71.7	71.7	71.7	71.9	71.9	72.2	72.2	72.2	72.3
GE 2500	68.9	70.6	73.0	74.1	75.6	75.9	76.2	76.5	76.5	76.5	76.7	76.7	76.9	76.9	76.9	77.0
GE 2000	72.2	73.9	76.5	77.6	79.2	79.6	79.9	80.1	80.1	80.1	80.3	80.3	80.5	80.5	80.5	80.6
GE 1800	73.0	74.7	77.5	78.7	80.3	80.6	81.0	81.2	81.2	81.2	81.4	81.4	81.6	81.6	81.6	81.7
GE 1500	75.5	77.2	80.4	81.8	83.9	84.2	84.5	84.7	84.7	84.7	84.9	84.9	85.2	85.2	85.2	85.3
GE 1200	76.7	78.8	82.7	84.2	86.3	86.8	87.1	87.3	87.3	87.3	87.5	87.5	87.7	87.7	87.7	87.8
GE 1000	78.2	81.0	84.8	86.3	88.6	89.1	89.6	89.9	89.9	89.9	90.1	90.1	90.3	90.3	90.3	90.4
GE 900	78.8	81.9	86.2	88.1	90.4	91.0	91.4	91.7	91.7	91.7	91.9	91.9	92.2	92.2	92.2	92.3
GE 800	79.0	82.3	86.9	88.7	91.2	91.8	92.4	92.8	92.8	93.1	93.3	93.3	93.5	93.5	93.5	93.7
GE 700	79.1	82.5	87.1	88.9	91.7	92.4	92.9	93.5	93.5	93.9	94.1	94.1	94.3	94.3	94.3	94.4
GE 600	79.5	82.8	87.4	89.4	92.3	92.9	93.5	94.4	94.5	95.1	95.3	95.3	95.5	95.5	95.5	95.6
GE 500	80.1	83.5	88.4	90.3	93.5	94.4	95.2	96.1	96.2	97.1	97.3	97.3	97.5	97.5	97.5	97.6
GE 400	80.1	83.5	88.4	90.3	93.5	94.4	95.5	96.6	96.7	97.7	98.2	98.2	98.5	98.5	98.5	98.6
GE 300	80.1	83.5	88.4	90.3	93.5	94.4	95.6	96.8	96.9	98.2	98.8	98.8	99.2	99.2	99.4	99.5
GE 200	80.1	83.5	88.4	90.3	93.5	94.4	95.6	96.9	97.0	98.3	99.1	99.1	99.7	99.7	99.8	99.9
GE 100	80.1	83.5	88.4	90.3	93.5	94.4	95.6	96.9	97.0	98.3	99.1	99.1	99.7	99.7	99.8	100.0
GE 000	80.1	83.5	88.4	90.3	93.5	94.4	95.6	96.9	97.0	98.3	99.1	99.1	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.5	36.9	38.9	40.0	41.2	41.9	42.3	42.6	42.7	42.8	42.9	43.0	43.1	43.1	43.2	43.3
GE 20000	38.8	40.3	42.4	43.5	44.8	45.6	45.9	46.2	46.3	46.5	46.6	46.7	46.8	46.8	46.9	47.0
GE 18000	38.8	40.3	42.4	43.5	44.8	45.6	45.9	46.2	46.3	46.5	46.6	46.7	46.8	46.8	46.9	47.0
GE 16000	38.8	40.3	42.4	43.5	44.8	45.6	45.9	46.2	46.3	46.5	46.6	46.7	46.8	46.8	46.9	47.0
GE 14000	38.9	40.4	42.5	43.7	44.9	45.7	46.0	46.3	46.5	46.6	46.7	46.8	46.9	46.9	47.0	47.1
GE 12000	39.7	41.2	43.2	44.4	45.7	46.5	46.8	47.1	47.2	47.3	47.4	47.5	47.6	47.6	47.7	47.8
GE 10000	42.0	43.7	45.7	46.9	48.2	48.9	49.2	49.6	49.7	49.8	49.9	50.0	50.1	50.1	50.2	50.3
GE 9000	42.8	44.5	46.6	47.7	49.0	49.8	50.1	50.4	50.5	50.6	50.8	50.9	51.0	51.0	51.1	51.2
GE 8000	45.7	47.4	49.5	50.6	52.3	53.0	53.3	53.7	53.8	53.9	54.0	54.1	54.2	54.2	54.3	54.4
GE 7000	47.8	49.6	51.6	52.8	54.4	55.2	55.5	55.8	55.9	56.0	56.1	56.2	56.3	56.3	56.5	56.6
GE 6000	48.9	50.6	52.7	53.9	55.5	56.2	56.6	56.9	57.0	57.1	57.2	57.3	57.4	57.4	57.5	57.6
GE 5000	51.2	52.9	55.3	56.5	58.1	58.8	59.1	59.5	59.6	59.7	59.8	59.9	60.0	60.0	60.1	60.2
GE 4500	53.5	55.5	57.8	59.4	61.0	61.7	62.0	62.4	62.5	62.6	62.7	62.8	62.9	62.9	63.0	63.1
GE 4000	55.2	57.1	59.5	61.0	62.6	63.3	63.7	64.0	64.2	64.4	64.5	64.6	64.7	64.7	64.8	64.9
GE 3500	57.3	59.4	61.9	63.4	65.3	66.0	66.3	66.7	66.9	67.1	67.2	67.3	67.4	67.4	67.5	67.6
GE 3000	60.5	62.8	65.6	67.1	69.4	70.1	70.6	71.0	71.2	71.4	71.5	71.6	71.7	71.7	71.8	71.9
GE 2500	63.3	65.6	68.5	70.1	72.7	73.4	74.0	74.3	74.5	74.7	74.8	74.9	75.1	75.1	75.2	75.3
GE 2000	66.0	68.5	71.7	73.3	76.0	77.0	77.6	78.0	78.2	78.4	78.5	78.6	78.7	78.7	78.8	78.9
GE 1800	67.1	69.6	72.9	74.6	77.3	78.3	78.9	79.2	79.5	79.7	79.8	79.9	80.0	80.0	80.1	80.2
GE 1500	69.0	71.6	75.4	77.2	80.8	81.9	82.6	82.9	83.1	83.3	83.5	83.7	83.8	83.8	83.9	84.0
GE 1200	70.1	72.8	77.1	79.9	83.8	85.2	85.8	86.1	86.5	86.7	86.9	87.0	87.1	87.1	87.2	87.3
GE 1000	71.4	74.2	78.6	81.6	85.6	87.0	87.7	88.2	88.5	88.7	88.9	89.0	89.1	89.1	89.2	89.4
GE 900	72.5	75.6	80.3	83.7	87.8	89.2	90.0	90.4	90.8	91.0	91.2	91.3	91.4	91.4	91.5	91.6
GE 800	73.2	76.3	81.5	84.8	89.1	90.5	91.3	91.8	92.2	92.5	92.7	92.8	92.9	92.9	93.0	93.1
GE 700	73.4	76.7	81.9	85.5	89.9	91.4	92.2	92.7	93.1	93.4	93.9	94.0	94.1	94.1	94.2	94.3
GE 600	73.5	76.8	82.2	85.8	90.4	92.0	92.8	93.3	93.9	94.2	94.6	94.7	94.8	94.8	94.9	95.1
GE 500	73.5	76.9	82.6	86.3	91.1	93.2	94.2	94.8	95.4	96.0	96.6	96.7	96.8	96.8	97.0	97.1
GE 400	73.5	76.9	82.6	86.3	91.1	93.4	94.4	95.4	96.0	96.8	97.3	97.4	97.6	97.6	97.8	98.0
GE 300	73.5	76.9	82.6	86.3	91.1	93.4	94.4	95.4	96.0	97.0	97.6	97.7	98.3	98.3	98.5	98.6
GE 200	73.5	76.9	82.6	86.3	91.1	93.4	94.4	95.4	96.0	97.0	97.7	97.8	98.7	98.7	98.9	99.0
GE 100	73.5	76.9	82.6	86.3	91.1	93.4	94.4	95.4	96.0	97.0	97.8	98.0	98.8	98.8	99.0	99.7
GE 000	73.5	76.9	82.6	86.3	91.1	93.4	94.4	95.4	96.0	97.0	97.8	98.0	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.4	36.9	38.2	38.7	39.6	39.8	39.8	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3
GE 20000	41.7	43.2	44.5	45.1	45.9	46.1	46.1	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7
GE 18000	41.8	43.3	44.6	45.2	46.0	46.2	46.2	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8
GE 16000	41.8	43.3	44.6	45.2	46.0	46.2	46.2	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8
GE 14000	42.2	43.7	44.9	45.5	46.3	46.6	46.6	46.9	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1
GE 12000	42.9	44.4	45.7	46.2	47.1	47.3	47.3	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
GE 10000	46.1	47.6	48.9	49.5	50.3	50.5	50.5	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	46.7	48.2	49.5	50.0	50.9	51.1	51.1	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6
GE 8000	49.0	50.8	52.2	52.7	53.7	53.9	53.9	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
GE 7000	50.6	52.5	53.9	54.5	55.5	55.7	55.7	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2
GE 6000	51.6	53.4	54.8	55.5	56.5	56.7	56.7	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
GE 5000	53.7	55.6	57.1	57.7	58.7	58.9	58.9	59.2	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5
GE 4500	54.2	56.3	58.0	58.7	59.9	60.1	60.2	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8
GE 4000	56.0	58.2	60.0	60.9	62.2	62.4	62.5	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0
GE 3500	58.1	60.3	62.6	63.4	64.8	65.1	65.2	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7
GE 3000	61.7	64.1	66.3	67.2	68.7	68.9	69.2	69.6	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0
GE 2500	65.5	67.8	70.2	71.7	73.5	73.9	74.4	74.7	74.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2
GE 2000	68.4	70.8	73.3	74.8	76.8	77.1	77.6	78.0	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4
GE 1800	69.5	71.8	74.4	75.9	78.1	78.5	79.4	79.7	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1
GE 1500	71.0	73.5	76.5	78.8	81.5	82.2	83.1	83.4	83.4	83.8	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200	72.4	75.3	78.6	81.6	84.7	85.5	86.5	86.8	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3
GE 1000	73.4	76.7	80.4	83.9	87.0	87.7	88.8	89.2	89.2	89.7	89.9	89.9	89.9	89.9	89.9	89.9
GE 900	73.9	77.3	81.4	85.9	89.2	90.1	91.2	91.6	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	74.8	78.3	82.6	87.7	91.5	92.4	93.5	94.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	74.8	78.5	82.9	88.2	92.2	93.1	94.3	94.7	94.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	74.8	78.5	83.1	88.4	92.4	93.3	94.6	95.2	95.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1
GE 500	74.9	78.7	83.4	88.8	93.3	94.5	95.8	96.6	96.9	97.8	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	74.9	78.7	83.4	88.8	93.4	94.6	96.1	97.0	97.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	74.9	78.8	83.5	88.9	93.5	94.8	96.5	97.3	97.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5
GE 200	74.9	78.8	83.5	88.9	93.5	94.8	96.5	97.3	97.6	98.7	99.5	99.5	99.5	99.6	99.7	99.8
GE 100	74.9	78.8	83.5	88.9	93.5	94.8	96.5	97.3	97.6	98.7	99.5	99.5	99.5	99.7	99.8	100.0
GE 000	74.9	78.8	83.5	88.9	93.5	94.8	96.5	97.3	97.6	98.7	99.5	99.5	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.4	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 20000	45.6	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 18000	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000	46.2	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 12000	47.2	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 10000	48.9	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 8000	52.7	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 7000	54.6	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 6000	54.9	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 5000	57.1	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 4500	57.8	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4000	59.7	60.6	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 3500	63.0	64.2	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3000	67.6	69.0	69.9	70.2	70.3	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 2500	71.5	73.3	74.6	74.9	75.1	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 2000	76.3	78.8	80.6	81.5	81.7	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1800	77.2	79.7	81.8	82.8	83.1	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1500	78.8	81.8	84.6	85.6	86.5	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1200	80.8	84.4	87.5	89.2	90.3	90.9	91.0	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	81.3	84.9	88.7	90.4	91.8	92.6	92.9	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	82.3	85.9	90.1	92.2	93.8	94.5	94.9	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 800	82.7	86.3	90.5	92.8	94.6	95.5	96.2	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 700	82.7	86.5	90.8	93.8	95.7	96.7	97.6	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	82.8	86.6	91.0	94.0	95.9	97.0	98.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	82.9	86.7	91.1	94.1	96.1	97.5	98.7	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	82.9	86.7	91.1	94.1	96.2	97.6	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	82.9	86.7	91.1	94.1	96.2	97.6	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	82.9	86.7	91.1	94.1	96.2	97.6	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	82.9	86.7	91.1	94.1	96.2	97.6	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	82.9	86.7	91.1	94.1	96.2	97.6	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 20000	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	45.2	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 16000	45.2	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 14000	45.4	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 12000	46.3	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 10000	47.6	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 9000	48.5	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	50.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 7000	52.0	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	52.7	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	55.3	55.9	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 4500	56.8	57.6	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 4000	60.5	61.6	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3500	65.5	66.8	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 3000	70.8	72.4	72.8	73.0	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 2500	76.0	78.0	78.6	79.1	79.7	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000	80.3	82.4	83.2	84.0	84.6	84.6	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1800	80.9	82.9	83.9	84.6	85.3	85.3	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1500	82.9	85.4	87.1	88.4	89.6	89.7	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1200	83.7	86.5	88.4	89.9	91.3	91.5	92.2	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1000	84.1	87.2	89.7	91.8	93.5	93.9	94.6	94.8	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	84.6	88.1	90.5	92.9	94.9	95.5	96.3	96.6	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	84.9	88.4	91.0	93.3	95.7	96.3	97.4	97.6	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	84.9	88.4	91.1	93.4	95.9	96.7	97.7	98.1	98.2	98.2	98.6	98.6	98.8	98.8	98.8	98.8
GE 600	84.9	88.4	91.1	93.4	96.1	96.9	98.1	98.4	98.6	98.6	99.0	99.0	99.2	99.2	99.2	99.2
GE 500	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.0	99.0	99.5	99.5	99.7	99.7	99.7	99.7
GE 400	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.0	99.0	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.1	99.1	99.6	99.6	99.8	99.8	100.0	100.0
GE 200	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.1	99.1	99.6	99.6	99.8	99.8	100.0	100.0
GE 100	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.1	99.1	99.6	99.6	99.8	99.8	100.0	100.0
GE 000	84.9	88.4	91.1	93.4	96.2	97.1	98.4	98.8	99.1	99.1	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.8	41.1	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 20000	45.9	46.2	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 18000	45.9	46.2	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 16000	45.9	46.2	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 14000	46.3	46.7	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000	47.5	47.8	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000	50.3	50.6	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	51.1	51.5	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 8000	54.9	55.4	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 7000	56.7	57.1	57.6	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 6000	57.2	57.6	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	59.9	60.4	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4500	61.9	62.5	63.1	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4000	65.9	66.6	67.3	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3500	70.3	71.0	71.7	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	73.9	74.5	75.4	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 2500	78.0	78.8	79.8	80.3	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 2000	81.6	82.9	84.3	84.9	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	81.9	83.4	84.8	85.5	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1500	83.7	85.3	87.0	87.8	88.8	89.0	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1200	84.4	86.0	88.4	90.0	91.0	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	84.8	86.6	89.0	91.0	92.7	93.9	94.3	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 900	85.1	86.8	89.4	91.3	93.3	94.6	95.1	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 800	85.4	87.1	89.8	91.7	93.9	95.5	95.9	96.2	96.3	96.5	96.5	96.5	96.9	96.9	97.0	97.0
GE 700	85.4	87.1	89.9	92.0	94.6	96.5	96.9	97.3	97.4	97.7	97.7	97.7	98.3	98.3	98.4	98.4
GE 600	85.4	87.1	89.9	92.0	94.7	96.7	97.3	97.7	98.1	98.4	98.4	98.4	98.9	98.9	99.0	99.0
GE 500	85.4	87.1	90.0	92.2	94.8	96.9	97.6	98.1	98.4	98.9	98.9	98.9	99.6	99.6	99.7	99.7
GE 400	85.4	87.1	90.0	92.2	94.8	96.9	97.7	98.2	98.5	99.0	99.0	99.0	99.7	99.7	99.8	99.8
GE 300	85.4	87.1	90.0	92.2	94.8	96.9	97.7	98.2	98.5	99.2	99.2	99.2	99.9	99.9	100.0	100.0
GE 200	85.4	87.1	90.0	92.2	94.8	96.9	97.7	98.2	98.5	99.2	99.2	99.2	99.9	99.9	100.0	100.0
GE 100	85.4	87.1	90.0	92.2	94.8	96.9	97.7	98.2	98.5	99.2	99.2	99.2	99.9	99.9	100.0	100.0
GE 000	85.4	87.1	90.0	92.2	94.8	96.9	97.7	98.2	98.5	99.2	99.2	99.2	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	43.1	43.5	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 20000	47.3	47.4	47.8	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	47.4	47.5	48.0	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 16000	47.4	47.5	48.0	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 14000	47.8	48.0	48.4	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 12000	49.0	49.1	49.7	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 10000	51.8	51.9	52.5	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 9000	53.0	53.1	53.7	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 8000	56.3	56.5	57.0	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	58.0	58.2	58.7	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 6000	59.7	59.9	60.4	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 5000	63.0	63.2	64.1	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	65.4	65.6	66.7	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4000	68.2	68.6	69.7	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3500	70.1	70.9	72.0	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3000	72.9	73.7	74.8	75.8	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 2500	76.5	77.2	78.6	79.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	78.4	79.6	81.2	82.5	83.2	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	79.0	80.3	82.0	83.3	84.1	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1500	81.2	82.9	84.8	86.5	87.3	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1200	82.3	84.0	85.9	87.5	88.5	89.7	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	82.9	84.8	86.9	88.7	90.2	91.8	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	83.2	85.3	87.5	89.5	91.1	92.8	93.2	93.2	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	83.5	85.9	88.2	90.1	92.0	93.8	94.3	94.3	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	83.5	85.9	88.3	90.3	92.6	94.5	95.1	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 600	83.7	86.0	88.6	90.8	93.1	95.3	95.8	96.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	83.7	86.0	88.6	90.9	93.7	96.2	96.8	97.3	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	83.7	86.0	88.6	90.9	93.7	96.2	96.9	97.7	98.5	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 300	83.7	86.0	88.6	90.9	93.7	96.2	96.9	97.8	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	83.7	86.0	88.6	90.9	93.7	96.2	96.9	97.8	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	83.7	86.0	88.6	90.9	93.7	96.2	96.9	97.8	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	83.7	86.0	88.6	90.9	93.7	96.2	96.9	97.8	98.6	99.6	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.8	39.6	40.3	40.7	41.2	41.4	41.5	41.6	41.6	41.6	41.7	41.7	41.8	41.8	41.8	41.8
GE 20000	43.8	44.7	45.5	45.9	46.4	46.6	46.7	46.8	46.8	46.8	46.9	46.9	46.9	46.9	47.0	47.0
GE 18000	43.9	44.8	45.6	46.0	46.5	46.7	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1
GE 16000	43.9	44.8	45.6	46.0	46.5	46.7	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1
GE 14000	44.2	45.1	45.9	46.3	46.8	47.0	47.1	47.2	47.2	47.2	47.3	47.3	47.4	47.4	47.4	47.4
GE 12000	45.3	46.1	46.9	47.4	47.9	48.1	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5
GE 10000	47.5	48.4	49.2	49.6	50.1	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7
GE 9000	48.4	49.3	50.1	50.5	51.0	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6
GE 8000	51.3	52.2	53.0	53.4	54.0	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.7
GE 7000	53.0	53.9	54.8	55.3	55.9	56.1	56.2	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5
GE 6000	54.1	55.0	55.9	56.4	57.0	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.6
GE 5000	56.7	57.6	58.7	59.2	59.9	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.5
GE 4500	58.7	59.8	60.9	61.5	62.2	62.4	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9
GE 4000	61.1	62.3	63.5	64.2	64.9	65.1	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6
GE 3500	64.2	65.6	67.0	67.7	68.5	68.7	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2
GE 3000	67.8	69.3	70.8	71.6	72.5	72.8	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4
GE 2500	71.5	73.2	74.9	75.9	77.1	77.4	77.7	77.8	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.2
GE 2000	74.8	76.7	78.8	79.9	81.3	81.7	82.0	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.5
GE 1800	75.6	77.6	79.7	80.9	82.3	82.8	83.1	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.6	83.6
GE 1500	77.6	79.9	82.4	83.9	85.7	86.3	86.7	86.9	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2
GE 1200	78.7	81.2	84.1	86.1	88.1	88.8	89.3	89.4	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.9
GE 1000	79.5	82.2	85.4	87.6	89.9	90.9	91.5	91.7	91.8	92.0	92.1	92.1	92.2	92.2	92.2	92.2
GE 900	80.1	83.0	86.4	88.9	91.4	92.5	93.1	93.3	93.4	93.6	93.8	93.8	93.9	93.9	93.9	93.9
GE 800	80.6	83.6	87.2	89.9	92.6	93.7	94.5	94.7	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4
GE 700	80.6	83.7	87.4	90.2	93.3	94.5	95.3	95.6	95.8	96.1	96.3	96.3	96.4	96.4	96.5	96.5
GE 600	80.7	83.8	87.5	90.4	93.7	94.9	95.8	96.3	96.5	96.8	97.0	97.0	97.2	97.2	97.2	97.2
GE 500	80.8	83.9	87.8	90.8	94.2	95.8	96.8	97.3	97.7	98.3	98.5	98.5	98.7	98.7	98.7	98.7
GE 400	80.8	83.9	87.8	90.8	94.2	95.8	96.9	97.7	98.0	98.7	99.0	99.0	99.2	99.2	99.2	99.2
GE 300	80.8	83.9	87.8	90.8	94.2	95.9	97.0	97.8	98.1	98.9	99.2	99.2	99.5	99.5	99.6	99.7
GE 200	80.8	83.9	87.8	90.8	94.2	95.9	97.0	97.8	98.1	98.9	99.3	99.3	99.6	99.7	99.8	99.8
GE 100	80.8	83.9	87.8	90.8	94.2	95.9	97.0	97.8	98.1	98.9	99.3	99.3	99.7	99.7	99.8	100.0
GE 000	80.8	83.9	87.8	90.8	94.2	95.9	97.0	97.8	98.1	98.9	99.3	99.3	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.7	47.0	47.2	47.8	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.6	48.6	48.6	48.6
GE 20000	50.1	50.4	51.1	51.7	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.4
GE 18000	50.1	50.4	51.1	51.7	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.4
GE 16000	50.1	50.4	51.1	51.7	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.4
GE 14000	50.6	51.1	51.8	52.3	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.1
GE 12000	51.4	51.8	52.4	53.0	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8
GE 10000	54.1	54.4	55.1	55.7	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.4
GE 9000	55.1	55.4	56.1	56.7	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4
GE 8000	60.0	60.4	61.1	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6
GE 7000	63.8	64.2	65.0	65.7	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.6	66.6	66.6	66.6
GE 6000	65.1	65.6	66.3	67.0	67.4	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9
GE 5000	69.4	69.9	70.8	71.4	71.9	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4
GE 4500	72.2	72.7	73.7	74.3	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.3
GE 4000	76.3	76.9	78.0	78.9	79.3	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9
GE 3500	78.7	79.3	80.4	81.3	81.8	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.4	82.4	82.4	82.4
GE 3000	80.9	81.6	82.9	84.2	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7
GE 2500	82.9	83.6	85.1	86.6	87.3	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3
GE 2000	84.6	85.3	86.9	88.3	89.1	89.4	89.6	89.9	89.9	89.9	89.9	89.9	90.2	90.2	90.2	90.2
GE 1800	85.4	86.2	87.8	89.3	90.2	90.6	90.7	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3
GE 1500	86.2	87.2	88.9	90.6	91.4	91.8	91.9	92.2	92.2	92.2	92.2	92.2	92.6	92.6	92.6	92.6
GE 1200	88.0	89.0	90.9	92.9	93.8	94.3	94.4	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1
GE 1000	88.8	90.1	92.3	94.6	95.6	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.9	96.9	96.9	96.9
GE 900	88.9	90.3	92.6	94.8	95.8	96.3	96.6	96.9	96.9	96.9	96.9	96.9	97.2	97.2	97.2	97.2
GE 800	89.1	90.6	92.9	95.1	96.2	96.8	97.0	97.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0
GE 700	89.2	90.7	93.0	95.3	96.4	97.2	97.4	98.0	98.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7
GE 600	89.2	90.7	93.0	95.3	96.6	97.6	97.9	98.8	98.8	99.1	99.1	99.1	99.4	99.4	99.4	99.4
GE 500	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6
GE 400	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.2	99.4	99.4	99.8	99.8	99.8	99.8
GE 300	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	89.2	90.7	93.0	95.3	96.6	97.7	98.0	98.9	98.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	45.4	46.4	46.7	47.8	48.0	48.1	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.7	48.7
GE 20000	47.8	48.7	49.8	50.0	51.1	51.3	51.4	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.0
GE 18000	47.9	48.8	49.9	50.1	51.2	51.4	51.6	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
GE 16000	47.9	48.8	49.9	50.1	51.2	51.4	51.6	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
GE 14000	48.1	49.0	50.1	50.3	51.4	51.7	51.8	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3
GE 12000	48.7	49.6	50.7	50.9	52.0	52.2	52.3	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.9	52.9
GE 10000	51.3	52.3	53.4	53.7	54.8	55.0	55.1	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7
GE 9000	52.9	53.9	55.0	55.2	56.3	56.6	56.7	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.2	57.2
GE 8000	58.1	59.1	60.3	60.7	61.8	62.0	62.1	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.7	62.7
GE 7000	59.6	60.6	61.8	62.1	63.4	63.7	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3
GE 6000	62.1	63.1	64.6	64.9	66.2	66.4	66.6	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1
GE 5000	66.1	67.2	68.8	69.2	70.7	70.9	71.0	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.6	71.6
GE 4500	69.3	70.4	72.2	72.8	74.2	74.4	74.6	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.1
GE 4000	71.6	72.7	74.6	75.1	76.7	77.0	77.2	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.9	77.9
GE 3500	73.1	74.4	76.4	77.0	78.7	79.0	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9
GE 3000	76.2	77.7	79.8	80.3	82.1	82.4	82.7	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3
GE 2500	78.2	79.8	82.2	82.9	84.7	85.1	85.6	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
GE 2000	79.6	81.1	83.7	84.3	86.2	86.7	87.2	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.9	87.9
GE 1800	80.1	81.7	84.2	84.9	86.8	87.2	87.8	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4
GE 1500	81.6	83.1	86.1	86.8	88.8	89.2	89.8	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.6	90.6
GE 1200	83.4	85.1	88.3	89.2	91.3	91.9	92.6	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.3	93.3
GE 1000	84.2	86.1	89.8	90.8	93.0	93.7	94.7	95.1	95.2	95.2	95.3	95.3	95.6	95.6	95.7	95.7
GE 900	84.2	86.1	89.8	90.8	93.0	93.7	94.7	95.1	95.2	95.2	95.3	95.3	95.6	95.6	95.7	95.7
GE 800	84.3	86.2	89.9	90.9	93.3	94.2	95.2	95.8	95.9	95.9	96.0	96.0	96.2	96.2	96.3	96.3
GE 700	84.3	86.2	89.9	90.9	93.3	94.4	95.6	96.4	96.6	96.6	96.7	96.7	97.1	97.1	97.2	97.2
GE 600	84.3	86.2	89.9	90.9	93.4	94.6	95.7	96.8	96.9	97.0	97.1	97.1	97.6	97.6	97.7	97.7
GE 500	84.4	86.3	90.0	91.1	93.9	95.0	96.1	97.4	97.6	97.7	97.8	97.8	98.2	98.2	98.3	98.3
GE 400	84.4	86.3	90.0	91.1	93.9	95.0	96.4	98.0	98.1	98.2	98.4	98.4	98.9	98.9	99.1	99.1
GE 300	84.4	86.3	90.0	91.1	93.9	95.0	96.4	98.0	98.1	98.3	98.6	98.6	99.0	99.0	99.2	99.2
GE 200	84.4	86.3	90.0	91.1	93.9	95.0	96.4	98.0	98.1	98.3	98.8	98.8	99.4	99.4	99.7	99.7
GE 100	84.4	86.3	90.0	91.1	93.9	95.0	96.4	98.0	98.1	98.3	98.8	98.8	99.4	99.4	99.8	99.8
GE 000	84.4	86.3	90.0	91.1	93.9	95.0	96.4	98.0	98.1	98.3	98.8	98.8	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.3	42.1	44.1	45.7	47.4	48.2	48.9	49.0	49.0	49.1	49.2	49.2	49.3	49.3	49.4	49.7
GE 20000	43.8	45.7	47.7	49.3	51.1	51.9	52.6	52.7	52.7	52.8	52.9	52.9	53.0	53.0	53.1	53.3
GE 18000	44.0	45.9	47.9	49.6	51.3	52.1	52.8	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.3	53.6
GE 16000	44.1	46.0	48.0	49.7	51.4	52.2	52.9	53.0	53.0	53.1	53.2	53.2	53.3	53.3	53.4	53.7
GE 14000	44.6	46.4	48.4	50.1	51.9	52.7	53.3	53.4	53.4	53.6	53.7	53.7	53.8	53.8	53.9	54.1
GE 10000	47.4	49.4	51.4	53.1	54.9	55.7	56.3	56.4	56.4	56.6	56.7	56.7	56.8	56.8	56.9	57.1
GE 9000	49.0	51.0	53.0	54.7	56.4	57.2	57.9	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.4	58.7
GE 8000	51.6	53.9	56.0	57.8	59.7	60.4	61.1	61.2	61.2	61.3	61.4	61.4	61.6	61.6	61.7	61.9
GE 7000	53.9	56.3	58.4	60.4	62.3	63.1	63.9	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.6	64.8
GE 6000	55.4	58.0	60.1	62.1	64.1	64.9	65.7	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.3	66.6
GE 5000	58.9	61.6	63.9	65.9	67.9	68.8	69.8	70.1	70.1	70.2	70.3	70.3	70.4	70.4	70.6	70.8
GE 4500	59.8	62.7	65.0	67.0	69.0	69.9	71.0	71.3	71.3	71.4	71.6	71.6	71.7	71.7	71.8	72.0
GE 4000	62.0	65.2	67.8	70.1	72.2	73.1	74.3	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.2	75.4
GE 3500	64.0	67.7	70.4	72.8	75.1	76.1	77.3	77.8	77.8	77.9	78.0	78.0	78.1	78.1	78.2	78.4
GE 3000	65.1	69.0	71.9	74.7	77.0	78.0	79.2	79.7	79.7	79.8	79.9	79.9	80.0	80.0	80.1	80.3
GE 2500	66.1	70.1	73.0	75.8	78.2	79.3	80.7	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.6	81.8
GE 2000	67.7	71.8	74.9	77.8	80.3	81.4	82.9	83.3	83.3	83.4	83.6	83.6	83.7	83.7	83.8	84.0
GE 1800	68.7	72.9	76.3	79.2	81.9	83.0	84.6	85.1	85.1	85.3	85.4	85.4	85.6	85.6	85.7	85.9
GE 1500	70.1	74.6	78.6	81.8	84.8	85.9	87.4	88.0	88.0	88.3	88.7	88.7	88.8	88.8	88.9	89.1
GE 1200	71.2	76.2	80.4	84.3	87.3	88.6	90.2	90.9	90.9	91.3	91.8	91.8	91.9	91.9	92.0	92.2
GE 1000	72.6	77.8	82.3	86.4	89.8	91.1	93.0	93.7	93.8	94.4	94.9	94.9	95.0	95.0	95.1	95.3
GE 900	72.6	77.8	82.3	86.4	90.1	91.6	93.6	94.2	94.3	95.0	95.4	95.4	95.6	95.6	95.7	95.9
GE 800	72.8	78.0	82.7	87.0	90.8	92.2	94.2	94.9	95.0	95.8	96.2	96.2	96.3	96.3	96.4	96.7
GE 700	73.0	78.2	82.9	87.2	91.0	92.4	94.4	95.6	95.7	96.6	97.0	97.0	97.1	97.1	97.2	97.4
GE 600	73.0	78.2	83.0	87.3	91.2	92.8	94.8	96.2	96.6	97.4	97.9	97.9	98.0	98.0	98.1	98.3
GE 500	73.0	78.2	83.0	87.3	91.2	92.9	94.9	96.4	96.8	97.7	98.1	98.1	98.2	98.2	98.3	98.6
GE 400	73.0	78.2	83.0	87.3	91.2	93.2	95.4	97.1	97.4	98.3	98.8	98.8	98.9	98.9	99.0	99.2
GE 300	73.0	78.2	83.0	87.3	91.2	93.2	95.4	97.1	97.7	98.6	99.0	99.0	99.1	99.1	99.2	99.4
GE 200	73.0	78.2	83.0	87.3	91.2	93.2	95.4	97.1	97.7	98.7	99.3	99.3	99.6	99.6	99.7	99.9
GE 100	73.0	78.2	83.0	87.3	91.2	93.2	95.4	97.1	97.7	98.7	99.3	99.3	99.6	99.6	99.7	99.9
GE 000	73.0	78.2	83.0	87.3	91.2	93.2	95.4	97.1	97.7	98.7	99.3	99.3	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	46.4	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	50.9	52.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 18000	50.9	52.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 16000	51.1	52.2	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 14000	51.8	52.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 12000	52.3	53.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 10000	54.3	55.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 9000	55.2	56.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000	57.2	58.3	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 7000	59.9	61.0	62.2	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	61.3	62.6	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	63.6	64.9	66.6	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4500	64.3	65.7	67.3	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4000	65.7	67.3	69.2	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	67.6	69.3	71.2	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 3000	70.1	72.1	74.3	74.9	75.2	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 2500	74.0	76.1	78.6	79.2	79.7	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2000	77.9	80.3	82.9	83.6	84.0	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	79.7	82.2	84.8	85.4	85.9	86.2	86.6	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1500	81.7	84.1	87.1	87.9	88.3	88.7	89.0	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1200	83.3	87.0	90.4	91.6	92.0	92.3	92.7	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	83.8	87.6	91.4	92.9	93.8	94.2	94.6	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	84.1	88.0	92.2	93.8	94.7	95.1	95.4	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	84.9	88.8	93.0	94.7	95.8	96.2	96.6	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	85.2	89.1	93.4	95.2	96.6	97.0	97.4	98.2	98.2	98.4	98.6	98.6	98.7	98.7	98.7	98.7
GE 600	85.3	89.4	93.9	95.7	97.1	97.6	98.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 500	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	85.4	89.6	94.0	95.9	97.3	97.9	98.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 20000	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	48.3	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 16000	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 14000	49.3	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 12000	49.9	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	52.2	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 9000	53.9	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 8000	57.1	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	58.6	59.1	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 6000	59.9	60.4	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 5000	62.7	63.3	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500	64.4	65.2	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000	68.4	69.3	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3500	72.7	73.6	74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3000	77.2	78.3	78.8	79.2	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2500	82.7	83.9	84.6	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2000	86.8	88.2	89.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	87.7	89.1	89.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	89.6	91.0	91.9	93.0	93.1	93.3	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	91.6	93.4	94.6	95.7	95.9	96.2	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	91.7	93.6	95.1	96.6	96.8	97.2	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	91.9	93.8	95.3	97.0	97.2	97.7	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	92.0	94.0	95.8	97.4	97.7	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	92.1	94.1	96.0	97.7	97.9	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	92.2	94.3	96.3	98.0	98.3	98.9	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	92.2	94.3	96.4	98.1	98.4	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	92.2	94.3	96.4	98.1	98.4	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.2	94.3	96.4	98.1	98.4	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.2	94.3	96.4	98.1	98.4	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.2	94.3	96.4	98.1	98.4	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.2	94.3	96.4	98.1	98.4	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.9	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 20000	45.1	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 18000	45.1	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 16000	45.2	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 14000	46.0	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 12000	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 10000	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 9000	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 8000	54.1	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 7000	55.9	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 6000	58.0	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	61.6	62.6	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4500	63.7	64.7	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000	71.4	72.6	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3500	78.2	79.6	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	81.2	82.7	83.2	83.6	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	88.4	90.0	90.8	91.4	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	90.4	92.1	92.9	93.9	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	91.3	93.0	93.9	94.9	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	92.4	94.1	95.0	96.0	96.8	96.9	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	93.1	95.0	96.0	97.2	98.0	98.1	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	93.6	95.4	96.4	97.7	98.4	98.6	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	93.6	95.4	96.4	97.7	98.4	98.6	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	93.6	95.4	96.4	97.8	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	93.7	95.6	96.7	98.0	98.8	99.0	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	93.7	95.7	96.8	98.1	98.9	99.1	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.7	95.7	96.9	98.2	99.0	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 20000	50.9	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 18000	50.9	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 16000	51.0	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	52.1	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 12000	52.9	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 10000	54.8	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 9000	56.3	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 8000	59.8	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	62.2	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 6000	64.7	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	69.0	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4500	71.3	71.8	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 4000	77.2	78.1	79.1	79.3	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	81.3	82.2	83.4	83.7	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3000	84.6	85.4	86.8	87.1	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	87.2	88.1	89.6	90.2	90.8	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	88.9	90.1	91.6	92.4	93.3	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	89.4	90.7	92.1	93.0	93.9	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500	89.9	91.3	92.9	93.8	94.9	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	91.1	92.9	94.7	95.8	96.9	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	91.3	93.2	95.1	96.3	97.7	98.0	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	91.4	93.3	95.2	96.4	97.8	98.1	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	91.4	93.3	95.2	96.4	97.8	98.2	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	91.4	93.3	95.2	96.4	97.8	98.4	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	91.4	93.3	95.2	96.4	97.8	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51.0	51.0
GE 20000	54.9	55.0	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0
GE 18000	55.3	55.4	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4
GE 16000	55.3	55.4	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4
GE 14000	55.9	56.0	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 12000	56.7	56.8	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 10000	59.3	59.4	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.6
GE 9000	60.3	60.4	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.6
GE 8000	63.9	64.0	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2
GE 7000	66.8	66.9	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
GE 6000	69.0	69.1	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6
GE 5000	72.3	72.4	73.6	73.7	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1
GE 4500	75.1	75.2	76.3	76.4	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9
GE 4000	78.4	78.7	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7
GE 3500	80.7	80.9	82.2	82.3	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 3000	83.2	83.6	85.0	85.2	85.6	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
GE 2500	85.7	86.2	88.2	88.7	89.2	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8
GE 2000	87.1	87.9	90.0	90.6	91.3	91.4	91.7	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 1800	87.4	88.2	90.3	90.9	91.7	91.8	92.0	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1500	88.7	89.4	92.0	92.6	93.6	93.7	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 1200	89.9	90.7	93.2	93.9	95.0	95.1	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 1000	91.2	92.0	94.6	95.3	96.8	97.0	97.2	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 900	91.3	92.1	94.8	95.6	97.0	97.2	97.4	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
GE 800	91.3	92.1	94.8	95.8	97.2	97.4	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 700	91.3	92.1	94.8	95.8	97.2	97.6	97.9	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 600	91.3	92.1	94.8	95.9	97.3	98.0	98.6	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 500	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	91.3	92.1	94.8	95.9	97.4	98.1	98.7	99.1	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.0	44.5	45.2	45.5	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.4
GE 20000	49.0	49.6	50.4	50.7	51.1	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6
GE 18000	49.1	49.7	50.5	50.8	51.3	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7
GE 16000	49.2	49.8	50.6	50.9	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8
GE 14000	49.8	50.4	51.2	51.5	51.9	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.4	52.4
GE 12000	50.4	51.0	51.8	52.2	52.6	52.7	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.1
GE 10000	52.9	53.6	54.4	54.8	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
GE 9000	54.2	54.8	55.7	56.0	56.4	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9
GE 8000	57.7	58.5	59.3	59.7	60.2	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6
GE 7000	60.1	60.9	61.8	62.3	62.8	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 6000	61.9	62.8	63.8	64.2	64.8	64.9	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3
GE 5000	65.4	66.4	67.5	68.0	68.5	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1
GE 4500	67.5	68.5	69.7	70.2	70.8	70.9	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.4
GE 4000	71.4	72.6	73.9	74.5	75.2	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 3500	74.5	75.9	77.3	77.9	78.6	78.8	79.0	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3
GE 3000	77.3	78.8	80.3	81.2	81.9	82.2	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.8	82.8
GE 2500	80.7	82.2	84.0	85.0	85.9	86.3	86.6	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.0
GE 2000	82.9	84.6	86.5	87.6	88.6	89.0	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8
GE 1800	83.7	85.5	87.4	88.6	89.6	90.0	90.3	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
GE 1500	85.0	86.9	89.1	90.3	91.5	91.8	92.3	92.5	92.5	92.6	92.7	92.7	92.8	92.8	92.8	92.8
GE 1200	86.5	88.7	91.1	92.6	93.8	94.2	94.7	95.0	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.3
GE 1000	87.1	89.5	92.1	93.8	95.2	95.7	96.3	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1
GE 900	87.3	89.6	92.3	94.1	95.5	96.0	96.6	96.9	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.4
GE 800	87.4	89.8	92.6	94.4	95.9	96.5	97.1	97.5	97.5	97.7	97.8	97.8	97.9	97.9	97.9	98.0
GE 700	87.5	89.9	92.7	94.6	96.1	96.8	97.5	98.0	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.6
GE 600	87.6	90.0	92.9	94.7	96.3	97.1	97.8	98.5	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.1
GE 500	87.6	90.0	92.9	94.8	96.5	97.3	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 400	87.6	90.0	92.9	94.8	96.5	97.3	98.2	99.0	99.0	99.3	99.5	99.5	99.6	99.6	99.7	99.7
GE 300	87.6	90.0	92.9	94.8	96.5	97.3	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.8	99.8
GE 200	87.6	90.0	92.9	94.8	96.5	97.3	98.2	99.0	99.1	99.4	99.7	99.7	99.8	99.8	99.9	99.9
GE 100	87.6	90.0	92.9	94.8	96.5	97.3	98.2	99.0	99.1	99.4	99.7	99.7	99.8	99.8	99.9	99.9
GE 000	87.6	90.0	92.9	94.8	96.5	97.3	98.2	99.0	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.8	47.7	49.1	49.8	50.6	50.6	50.8	50.9	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.3
GE 20000	53.1	54.3	55.9	56.8	57.7	57.7	58.0	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5
GE 18000	53.1	54.3	55.9	56.8	57.7	57.7	58.0	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5
GE 16000	53.4	54.6	56.2	57.1	58.1	58.1	58.3	58.4	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.8
GE 14000	53.5	54.7	56.3	57.2	58.2	58.2	58.4	58.5	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.9
GE 12000	54.2	55.5	57.1	58.0	58.9	58.9	59.1	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.7
GE 10000	56.6	57.8	59.6	60.4	61.4	61.4	61.6	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.2
GE 9000	57.7	59.4	61.2	62.0	63.0	63.0	63.2	63.4	63.5	63.7	63.8	63.8	63.9	63.9	63.9	64.0
GE 8000	61.7	63.3	65.2	66.5	67.4	67.4	67.6	67.8	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4
GE 7000	63.5	65.5	67.8	69.4	70.3	70.3	70.5	70.8	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.3
GE 6000	65.6	67.5	69.9	71.5	72.5	72.5	72.7	72.9	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.4
GE 5000	69.0	71.1	73.5	75.4	76.5	76.7	77.0	77.3	77.4	77.5	77.6	77.6	77.7	77.7	77.7	77.8
GE 4500	71.2	73.4	76.1	78.0	79.4	79.7	80.0	80.3	80.4	80.5	80.6	80.6	80.8	80.8	80.8	80.9
GE 4000	74.7	77.4	80.5	82.8	84.3	84.6	85.1	85.4	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.9
GE 3500	75.5	78.2	81.4	83.7	85.2	85.6	86.0	86.3	86.6	86.7	86.8	86.8	86.9	86.9	86.9	87.0
GE 3000	77.6	80.5	83.9	86.2	88.1	88.6	89.0	89.4	89.6	89.7	89.8	89.8	89.9	89.9	89.9	90.0
GE 2500	78.3	81.3	84.8	87.3	89.6	90.1	90.5	90.9	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.5
GE 2000	79.0	82.3	85.8	88.4	90.9	91.5	92.0	92.4	92.6	92.7	92.8	92.8	92.9	92.9	92.9	93.0
GE 1800	79.7	82.9	86.5	89.0	91.5	92.2	92.7	93.0	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.7
GE 1500	80.1	83.4	87.0	89.6	92.3	92.9	93.7	94.0	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.6
GE 1200	80.5	83.9	87.4	90.1	93.0	93.7	94.4	94.7	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4
GE 1000	81.1	84.5	88.2	91.1	94.1	94.8	95.6	95.9	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.6
GE 900	81.2	84.6	88.3	91.2	94.3	95.1	95.8	96.1	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.8
GE 800	81.2	84.6	88.5	91.4	94.8	95.6	96.3	96.7	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.3
GE 700	81.4	84.8	88.7	91.7	95.5	96.2	97.0	97.3	97.5	97.6	97.7	97.7	97.8	97.8	97.8	98.0
GE 600	81.6	85.1	88.9	92.2	96.2	97.2	98.2	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1
GE 500	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0
GE 400	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0
GE 300	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0
GE 200	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	81.7	85.4	89.2	92.5	96.6	97.7	98.9	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.8	41.9	44.1	45.5	47.6	48.1	48.3	48.9	49.1	49.2	49.4	49.4	49.6	49.6	49.8	50.0
GE 20000	44.3	46.0	48.7	50.3	52.8	53.2	53.5	54.3	54.5	54.7	54.9	54.9	55.2	55.2	55.4	55.6
GE 18000	44.3	46.0	48.7	50.3	52.8	53.2	53.5	54.3	54.5	54.7	54.9	54.9	55.2	55.2	55.4	55.6
GE 16000	44.4	46.1	48.8	50.4	52.9	53.3	53.7	54.4	54.6	54.8	55.1	55.1	55.3	55.3	55.5	55.7
GE 14000	44.6	46.3	49.0	50.6	53.1	53.5	53.9	54.6	54.8	55.1	55.3	55.3	55.5	55.5	55.7	55.9
GE 12000	45.4	47.1	49.8	51.4	53.9	54.3	54.6	55.4	55.6	55.8	56.0	56.0	56.2	56.2	56.5	56.7
GE 10000	48.6	50.6	53.4	55.1	57.5	58.0	58.3	59.0	59.2	59.5	59.7	59.7	59.9	59.9	60.1	60.3
GE 9000	49.8	51.8	54.7	56.7	59.1	59.6	59.9	60.6	60.9	61.1	61.4	61.4	61.6	61.6	61.8	62.0
GE 8000	53.2	55.5	58.5	60.4	63.3	63.8	64.1	64.8	65.1	65.3	65.6	65.6	65.8	65.8	66.0	66.2
GE 7000	55.2	57.4	60.4	62.5	65.8	66.2	66.6	67.3	67.5	67.7	68.1	68.1	68.3	68.3	68.5	68.7
GE 6000	57.5	59.8	62.8	64.9	68.3	68.7	69.0	69.8	70.0	70.2	70.5	70.5	70.8	70.8	71.0	71.2
GE 5000	60.5	62.9	66.0	68.4	72.4	73.0	73.3	74.1	74.3	74.8	75.2	75.2	75.4	75.4	75.6	75.9
GE 4500	63.0	65.5	68.9	71.4	75.5	76.1	76.5	77.5	77.7	78.0	78.3	78.3	78.5	78.5	78.7	79.0
GE 4000	64.5	67.3	70.9	73.7	78.0	78.6	78.9	80.0	80.2	80.5	80.9	80.9	81.1	81.1	81.3	81.6
GE 3500	66.1	68.9	72.6	75.5	79.9	80.5	80.9	81.9	82.2	82.5	82.8	82.8	83.0	83.0	83.2	83.5
GE 3000	67.4	70.4	74.4	77.4	82.2	82.9	83.2	84.3	84.5	84.8	85.2	85.2	85.4	85.4	85.6	85.9
GE 2500	68.1	71.1	75.3	78.3	83.1	83.9	84.3	85.7	85.9	86.2	86.6	86.6	86.8	86.8	87.0	87.3
GE 2000	69.0	72.2	76.7	79.9	84.7	85.6	86.0	87.5	87.7	88.1	88.4	88.4	88.6	88.6	88.8	89.1
GE 1800	69.6	72.7	77.3	80.5	85.4	86.5	86.9	88.4	88.6	88.9	89.2	89.2	89.5	89.5	89.7	90.0
GE 1500	71.0	74.1	78.9	82.4	87.4	88.5	88.9	90.4	90.6	91.0	91.3	91.3	91.5	91.5	91.7	92.0
GE 1200	73.0	76.1	81.2	84.7	89.9	91.1	91.5	93.0	93.2	93.5	93.9	93.9	94.1	94.1	94.3	94.6
GE 1000	73.7	76.8	81.9	85.6	91.1	92.3	92.8	94.3	94.5	94.8	95.2	95.2	95.4	95.4	95.6	95.9
GE 900	74.0	77.1	82.3	85.9	91.4	92.6	93.1	94.6	94.8	95.2	95.5	95.5	95.7	95.7	95.9	96.2
GE 800	74.1	77.3	82.7	86.5	91.9	93.1	93.9	95.4	95.6	95.9	96.2	96.2	96.5	96.5	96.7	97.0
GE 700	74.6	77.8	83.4	87.3	93.2	94.4	95.2	96.7	96.9	97.2	97.5	97.5	97.7	97.7	98.0	98.3
GE 600	74.6	77.8	83.4	87.3	93.4	94.6	95.5	97.0	97.2	97.6	98.0	98.0	98.2	98.2	98.4	98.7
GE 500	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.0	99.0	99.2	99.7
GE 400	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.0	99.0	99.2	99.7
GE 300	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.0	99.0	99.2	99.7
GE 200	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.0	99.0	99.2	99.7
GE 100	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.0	99.0	99.4	99.8
GE 000	74.7	78.0	83.5	87.4	94.1	95.3	96.3	97.8	98.1	98.5	98.8	98.8	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.9	42.6	44.1	45.4	47.6	48.4	49.1	49.8	50.1	50.2	50.3	50.3	50.6	50.6	50.6	50.6
GE 20000	42.7	45.8	47.5	48.9	51.4	52.4	53.1	53.9	54.2	54.3	54.4	54.4	54.7	54.7	54.7	54.7
GE 18000	42.7	45.8	47.5	48.9	51.4	52.4	53.1	53.9	54.2	54.3	54.4	54.4	54.7	54.7	54.7	54.7
GE 16000	42.7	45.8	47.5	48.9	51.4	52.4	53.1	53.9	54.2	54.3	54.4	54.4	54.7	54.7	54.7	54.7
GE 14000	42.8	45.9	47.7	49.1	51.7	52.8	53.5	54.3	54.6	54.7	54.8	54.8	55.2	55.2	55.2	55.2
GE 12000	43.9	47.1	48.9	50.3	52.9	54.0	54.7	55.5	55.8	55.9	56.0	56.0	56.3	56.3	56.3	56.3
GE 10000	46.6	50.0	52.0	53.8	56.6	57.7	58.7	59.7	60.0	60.1	60.2	60.2	60.5	60.5	60.5	60.5
GE 9000	47.7	51.3	53.3	55.4	58.3	59.5	60.4	61.4	61.7	61.8	61.9	61.9	62.3	62.3	62.3	62.3
GE 8000	50.8	54.4	56.8	59.0	62.5	63.8	64.7	65.8	66.1	66.2	66.5	66.5	66.8	66.8	66.8	66.8
GE 7000	52.4	56.1	58.5	60.9	64.7	66.2	67.2	68.3	68.6	68.7	68.9	68.9	69.2	69.2	69.2	69.2
GE 6000	54.1	58.1	60.8	63.3	67.5	69.0	70.1	71.2	71.5	71.6	71.8	71.8	72.2	72.2	72.2	72.2
GE 5000	55.5	59.6	62.4	65.2	69.8	71.7	73.0	74.1	74.4	74.6	74.8	74.8	75.2	75.2	75.2	75.2
GE 4500	56.5	60.5	63.4	66.7	71.4	73.3	74.6	75.7	76.0	76.3	76.6	76.6	77.1	77.1	77.1	77.1
GE 4000	57.5	61.8	65.3	68.6	73.3	75.4	76.8	78.0	78.3	78.6	78.8	78.8	79.4	79.4	79.4	79.4
GE 3500	58.5	62.8	66.2	69.8	74.6	76.7	78.1	79.2	79.6	79.9	80.1	80.1	80.6	80.6	80.6	80.6
GE 3000	58.8	63.1	66.9	70.4	75.5	77.5	78.9	80.2	80.6	81.0	81.2	81.2	81.7	81.7	81.7	81.7
GE 2500	59.2	63.9	67.6	71.3	76.3	78.4	80.0	81.4	81.8	82.2	82.4	82.4	82.9	82.9	82.9	82.9
GE 2000	60.2	64.9	68.7	72.5	77.6	79.7	81.4	82.9	83.3	83.7	84.0	84.0	84.5	84.5	84.6	84.6
GE 1800	61.0	65.7	69.5	73.3	78.5	80.5	82.3	83.9	84.3	84.6	84.9	84.9	85.5	85.5	85.6	85.6
GE 1500	61.9	66.8	70.9	75.1	80.6	82.8	84.5	86.1	86.6	86.9	87.2	87.2	87.7	87.7	87.8	87.8
GE 1200	64.2	69.0	73.3	77.7	83.7	85.8	87.6	89.2	89.7	90.0	90.3	90.3	90.9	90.9	91.0	91.0
GE 1000	64.9	70.0	75.3	79.9	86.0	88.9	90.9	92.5	92.9	93.2	93.5	93.5	94.1	94.1	94.2	94.2
GE 900	65.2	70.3	75.9	80.5	86.9	89.8	91.7	93.3	93.8	94.1	94.4	94.4	94.9	94.9	95.1	95.1
GE 800	65.3	70.4	76.1	80.8	87.3	90.3	92.5	94.2	94.7	95.1	95.4	95.4	95.9	95.9	96.0	96.0
GE 700	65.3	70.6	76.3	81.2	88.2	91.4	94.0	95.7	96.2	96.7	97.0	97.0	97.5	97.5	97.6	97.6
GE 600	65.3	70.8	76.6	81.5	88.6	91.9	94.9	96.9	97.4	97.8	98.2	98.2	98.7	98.7	98.8	98.8
GE 500	65.4	70.9	76.7	81.6	88.9	92.3	95.3	97.2	97.7	98.2	98.5	98.5	99.0	99.0	99.1	99.1
GE 400	65.4	70.9	76.7	81.6	89.0	92.4	95.4	97.4	98.0	98.4	98.7	98.8	99.5	99.5	99.6	99.6
GE 300	65.4	70.9	76.7	81.6	89.1	92.5	95.5	97.5	98.1	98.5	99.1	99.2	99.9	99.9	100.0	100.0
GE 200	65.4	70.9	76.7	81.6	89.1	92.5	95.5	97.5	98.1	98.5	99.1	99.2	99.9	99.9	100.0	100.0
GE 100	65.4	70.9	76.7	81.6	89.1	92.5	95.5	97.5	98.1	98.5	99.1	99.2	99.9	99.9	100.0	100.0
GE 000	65.4	70.9	76.7	81.6	89.1	92.5	95.5	97.5	98.1	98.5	99.1	99.2	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.2	48.0	49.1	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 20000	51.9	53.0	54.6	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 18000	52.2	53.2	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 16000	52.2	53.2	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 14000	52.6	53.8	55.5	56.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 12000	53.2	54.4	56.1	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 10000	57.3	58.8	60.9	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 9000	58.8	60.8	63.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	61.5	63.8	66.1	67.1	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	63.0	65.5	67.8	68.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	63.8	66.2	68.9	70.1	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 5000	65.4	68.2	71.1	72.7	73.8	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	66.2	69.1	72.3	74.1	75.3	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	67.5	71.0	74.5	76.3	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3500	68.2	71.6	75.2	77.2	78.6	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	69.2	72.8	76.6	78.7	80.2	80.4	80.5	80.5	80.5	80.8	81.0	81.0	81.0	81.0	81.0	81.0
GE 2500	70.5	74.5	78.3	80.6	82.5	82.7	82.9	83.0	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4
GE 2000	72.0	76.2	80.2	82.7	84.5	84.7	84.9	85.1	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5
GE 1800	72.5	76.7	80.6	83.3	85.2	85.4	85.6	85.7	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	74.6	78.9	83.0	86.2	88.3	88.5	88.7	88.8	88.9	89.1	89.5	89.5	89.5	89.5	89.5	89.5
GE 1200	76.8	81.2	85.6	89.0	91.3	91.7	92.0	92.2	92.3	92.5	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	77.7	82.2	87.1	90.8	93.0	93.5	93.9	94.0	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	78.5	83.0	88.1	91.9	94.5	95.2	95.5	95.6	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	78.9	83.5	88.8	92.8	95.8	96.6	96.9	97.1	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	79.2	83.9	89.2	93.3	96.6	97.5	97.8	98.1	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	79.2	84.0	89.4	93.5	96.8	97.8	98.2	98.4	98.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.5	84.2	89.6	93.9	97.2	98.3	98.6	98.8	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.0	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	48.9	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	49.2	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 16000	49.2	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 14000	49.9	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 12000	51.2	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 10000	54.8	55.7	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 9000	55.8	56.8	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 8000	58.9	59.9	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 7000	59.6	60.6	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	60.5	61.8	62.9	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	63.4	65.2	66.5	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4500	65.1	66.9	68.3	68.9	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	70.2	72.5	74.2	75.1	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3500	72.4	74.7	76.6	77.6	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3000	77.2	79.6	81.6	82.7	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2500	80.0	82.6	85.2	86.5	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000	82.8	85.4	88.1	89.7	90.0	90.2	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	83.3	86.0	88.8	90.5	90.9	91.1	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	84.8	87.6	90.4	92.6	93.1	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	86.1	88.9	91.9	94.4	94.9	95.3	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	86.6	89.5	92.7	95.4	96.0	96.5	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	86.8	89.7	93.0	95.8	96.6	97.0	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	86.8	89.8	93.2	96.3	97.2	97.6	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	86.9	89.9	93.7	96.8	97.6	98.2	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	86.9	89.9	93.7	96.8	97.6	98.2	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.9	90.0	93.8	96.9	97.8	98.4	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.4	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	50.9	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 18000	51.0	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 16000	51.0	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 14000	51.7	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 12000	53.0	53.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	56.2	57.0	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	57.0	58.0	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	60.2	61.2	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 7000	62.7	63.8	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	64.3	65.4	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	67.5	68.6	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4500	69.5	70.6	71.3	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	74.7	76.8	77.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3500	77.2	79.4	80.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3000	81.0	83.1	84.4	86.2	86.7	86.7	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 2500	83.8	86.1	87.5	89.6	90.0	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
GE 2000	85.6	88.0	89.8	91.8	92.4	92.4	92.5	92.8	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 1800	85.6	88.0	89.8	91.8	92.4	92.4	92.5	92.8	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 1500	86.8	89.2	91.1	93.2	94.0	94.1	94.2	94.5	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 1200	88.0	90.5	92.8	95.1	96.2	96.3	96.6	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 1000	88.2	90.8	93.1	95.8	97.2	97.5	97.7	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 900	88.2	90.8	93.1	95.8	97.2	97.5	97.7	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 800	88.2	90.8	93.4	96.1	97.6	98.0	98.2	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 700	88.2	90.9	93.8	96.5	98.2	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	88.2	90.9	93.8	96.5	98.2	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	88.2	90.9	93.8	96.6	98.3	98.6	98.8	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.4	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 20000	60.8	61.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	60.9	61.6	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	60.9	61.6	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	61.1	61.8	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	62.4	63.1	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	64.5	65.6	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 9000	65.8	67.0	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 8000	69.7	71.1	71.9	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 7000	71.6	73.0	73.9	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 6000	73.1	74.6	75.6	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 5000	76.8	78.3	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4500	78.7	80.3	81.8	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	82.4	84.4	86.0	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	84.2	86.2	87.8	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3000	85.8	88.0	89.6	90.2	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	87.0	89.1	91.0	91.7	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	87.8	90.0	91.8	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	88.3	90.5	92.4	93.1	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	89.1	91.4	93.5	94.3	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	89.6	92.0	94.5	95.5	96.6	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	89.6	92.0	94.6	95.6	97.2	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	89.6	92.0	94.6	95.6	97.3	97.4	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	89.6	92.0	94.6	95.6	97.4	97.6	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	89.7	92.2	94.9	95.9	97.7	98.0	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	89.7	92.2	94.9	95.9	97.7	98.0	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.7	92.4	95.2	96.2	98.1	98.3	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.4	53.0	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	60.2	61.2	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	60.2	61.2	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 16000	60.4	61.4	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	60.4	61.4	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	61.7	62.7	63.5	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	64.4	65.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	66.0	67.2	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 8000	69.7	71.4	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 7000	71.8	73.7	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	74.0	75.8	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	77.0	78.8	81.3	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 4500	78.6	80.5	83.0	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4000	81.4	83.5	86.2	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3500	82.8	84.9	87.6	88.4	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3000	84.4	86.6	89.4	90.2	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	85.2	87.3	90.4	91.4	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	86.5	88.6	91.8	92.8	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	86.9	89.0	92.3	93.2	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	87.6	89.8	93.1	94.1	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	88.3	90.4	94.0	94.9	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	88.6	90.8	94.3	95.6	96.8	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	88.8	91.0	94.5	95.9	97.3	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	88.8	91.0	94.5	95.9	97.5	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	89.0	91.2	94.7	96.1	97.7	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	89.0	91.2	94.7	96.1	98.0	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.0	91.5	95.1	96.5	98.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.7	46.6	47.5	48.0	48.8	48.9	49.0	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5
GE 20000	51.6	52.8	54.1	54.7	55.5	55.6	55.8	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3
GE 18000	51.7	52.9	54.2	54.8	55.6	55.8	55.9	56.1	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.5
GE 16000	51.8	53.0	54.2	54.8	55.7	55.8	56.0	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.5	56.5
GE 14000	52.1	53.3	54.6	55.2	56.0	56.2	56.4	56.6	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9
GE 12000	53.1	54.4	55.7	56.3	57.2	57.4	57.5	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.1
GE 10000	56.1	57.6	59.1	59.8	60.7	60.9	61.1	61.3	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.7
GE 9000	57.3	59.0	60.6	61.5	62.4	62.6	62.7	63.0	63.1	63.1	63.2	63.2	63.3	63.3	63.3	63.3
GE 8000	60.7	62.6	64.2	65.2	66.2	66.5	66.7	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.3
GE 7000	62.5	64.4	66.2	67.3	68.4	68.7	68.9	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.5	69.5
GE 6000	64.1	66.2	68.1	69.2	70.4	70.7	70.9	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5
GE 5000	66.9	69.1	71.2	72.5	74.0	74.3	74.6	74.9	75.0	75.1	75.1	75.1	75.2	75.2	75.3	75.3
GE 4500	68.6	70.9	73.1	74.6	76.1	76.5	76.8	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5
GE 4000	71.6	74.3	76.9	78.6	80.2	80.6	80.9	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.7	81.7
GE 3500	73.1	75.8	78.5	80.3	81.9	82.4	82.7	83.0	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.5
GE 3000	75.2	78.0	80.8	82.8	84.6	85.1	85.4	85.8	85.9	86.0	86.1	86.1	86.3	86.3	86.3	86.3
GE 2500	76.5	79.5	82.5	84.6	86.6	87.0	87.4	87.8	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.4
GE 2000	77.9	80.9	84.1	86.3	88.3	88.8	89.3	89.8	89.9	90.0	90.2	90.2	90.3	90.3	90.3	90.4
GE 1800	78.3	81.4	84.6	86.9	88.9	89.5	89.9	90.4	90.5	90.7	90.8	90.8	90.9	90.9	91.0	91.0
GE 1500	79.5	82.7	86.0	88.4	90.7	91.3	91.7	92.2	92.4	92.5	92.6	92.6	92.8	92.8	92.8	92.9
GE 1200	80.8	84.0	87.6	90.2	92.7	93.3	93.9	94.5	94.6	94.8	94.9	94.9	95.0	95.0	95.1	95.1
GE 1000	81.3	84.6	88.4	91.2	93.9	94.7	95.4	96.0	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.7
GE 900	81.5	84.8	88.7	91.6	94.4	95.3	95.9	96.6	96.7	96.9	97.0	97.0	97.2	97.2	97.2	97.2
GE 800	81.6	84.9	89.0	91.9	95.0	95.8	96.6	97.3	97.4	97.6	97.7	97.7	97.8	97.8	97.9	97.9
GE 700	81.8	85.2	89.4	92.4	95.6	96.5	97.3	98.0	98.2	98.4	98.5	98.5	98.6	98.6	98.7	98.7
GE 600	81.8	85.2	89.4	92.5	95.8	96.9	97.8	98.5	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 500	81.9	85.4	89.6	92.7	96.2	97.2	98.2	98.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
GE 400	81.9	85.4	89.6	92.7	96.2	97.3	98.2	99.0	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.9
GE 300	81.9	85.4	89.6	92.7	96.2	97.3	98.2	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.9	99.9
GE 200	81.9	85.4	89.6	92.7	96.2	97.3	98.2	99.0	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0
GE 100	81.9	85.4	89.6	92.7	96.2	97.3	98.2	99.0	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0
GE 000	81.9	85.4	89.6	92.7	96.2	97.3	98.2	99.0	99.2	99.4	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	59.0	61.2	62.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2
GE 20000	60.3	64.6	67.3	68.8	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 18000	60.3	64.6	67.3	68.8	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 16000	60.3	64.6	67.3	68.8	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 14000	60.7	64.9	67.7	69.1	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
GE 12000	62.3	66.8	69.8	71.3	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
GE 10000	65.9	70.7	73.8	75.4	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3
GE 9000	66.8	71.6	74.8	76.4	78.0	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6
GE 8000	69.0	73.8	77.6	79.4	81.1	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7
GE 7000	70.2	75.3	79.2	81.1	82.8	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
GE 6000	71.0	76.1	80.1	82.0	83.7	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2
GE 5000	72.8	77.9	81.9	83.9	86.1	86.2	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
GE 4500	73.4	78.7	82.8	84.9	87.2	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8
GE 4000	75.7	81.0	85.4	88.0	90.4	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
GE 3500	76.2	81.7	86.1	88.8	91.3	91.4	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1
GE 3000	77.3	82.8	87.3	90.2	93.0	93.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 2500	78.1	83.7	88.2	91.2	94.0	94.1	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
GE 2000	78.7	84.2	88.8	91.8	94.6	94.7	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
GE 1800	78.9	84.4	89.0	92.0	94.8	94.9	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
GE 1500	79.3	84.9	89.4	92.4	95.2	95.3	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4
GE 1200	79.4	85.0	89.6	92.7	95.4	95.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 1000	79.7	85.2	89.9	93.0	95.8	95.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 900	79.7	85.2	89.9	93.1	95.9	96.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
GE 800	79.7	85.2	89.9	93.1	95.9	96.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
GE 700	79.7	85.2	89.9	93.1	96.0	96.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 600	79.7	85.2	89.9	93.1	96.3	96.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 500	79.9	85.4	90.6	94.0	97.4	97.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
GE 400	79.9	85.4	90.6	94.1	97.8	98.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 300	79.9	85.4	90.6	94.1	97.8	98.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.4	99.6	99.7
GE 200	79.9	85.4	90.6	94.1	97.8	98.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.6	99.7	99.9
GE 100	79.9	85.4	90.6	94.1	97.8	98.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.6	99.7	99.9
GE 000	79.9	85.4	90.6	94.1	97.8	98.0	99.0	99.1	99.2	99.3	99.3	99.3	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	48.2	52.0	55.1	60.8	61.7	62.6	63.0	63.0	63.2	63.3	63.3	63.7	63.7	63.7	63.7
GE 20000	48.4	51.4	56.1	59.8	65.4	66.4	67.6	68.0	68.1	68.3	68.4	68.4	68.8	68.8	68.8	68.8
GE 18000	48.4	51.4	56.1	59.8	65.4	66.4	67.6	68.0	68.1	68.3	68.4	68.4	68.8	68.8	68.8	68.8
GE 16000	48.4	51.4	56.1	59.8	65.4	66.4	67.6	68.0	68.1	68.3	68.4	68.4	68.8	68.8	68.8	68.8
GE 14000	48.4	51.4	56.1	59.8	65.4	66.4	67.6	68.0	68.1	68.3	68.4	68.4	68.8	68.8	68.8	68.8
GE 12000	49.7	52.7	57.4	61.1	66.8	67.9	69.0	69.4	69.6	69.8	69.9	69.9	70.2	70.2	70.2	70.2
GE 10000	52.2	55.2	60.0	63.8	69.4	70.7	71.9	72.4	72.6	72.8	72.9	72.9	73.2	73.2	73.2	73.2
GE 9000	52.8	55.8	60.6	64.3	70.1	71.4	72.7	73.2	73.3	73.6	73.7	73.7	74.0	74.0	74.0	74.0
GE 8000	54.7	58.1	63.1	66.9	72.8	74.1	75.3	75.9	76.0	76.2	76.3	76.3	76.7	76.7	76.7	76.7
GE 7000	55.4	59.0	64.3	68.1	74.1	75.6	76.8	77.3	77.4	77.7	77.8	77.8	78.1	78.1	78.1	78.1
GE 6000	57.1	60.7	66.1	69.9	75.9	77.3	78.6	79.1	79.2	79.4	79.6	79.6	79.9	79.9	79.9	79.9
GE 5000	58.6	62.1	67.6	71.4	77.8	79.2	80.6	81.1	81.2	81.6	81.7	81.7	82.0	82.0	82.0	82.0
GE 4500	59.4	63.0	68.6	72.4	79.0	80.4	81.8	82.4	82.6	82.9	83.0	83.0	83.3	83.3	83.3	83.3
GE 4000	60.8	64.3	70.0	74.4	81.1	82.8	84.1	84.8	84.9	85.2	85.3	85.3	85.7	85.7	85.7	85.7
GE 3500	61.6	65.1	71.0	75.7	82.6	84.2	85.7	86.3	86.4	86.8	86.9	86.9	87.2	87.2	87.2	87.2
GE 3000	62.8	66.3	72.8	77.7	84.8	86.4	88.0	88.7	88.8	89.2	89.3	89.3	89.7	89.7	89.7	89.7
GE 2500	63.8	67.6	74.2	79.2	86.4	88.1	89.8	90.4	90.6	91.0	91.1	91.1	91.4	91.4	91.4	91.4
GE 2000	64.6	68.4	75.1	80.1	87.6	89.2	90.9	91.7	91.8	92.3	92.4	92.4	92.8	92.8	92.8	92.8
GE 1800	64.6	68.4	75.1	80.1	87.6	89.2	90.9	91.7	91.8	92.3	92.4	92.4	92.8	92.8	92.8	92.8
GE 1500	65.6	69.6	76.4	81.4	89.0	90.8	92.4	93.2	93.3	93.9	94.0	94.0	94.3	94.3	94.3	94.3
GE 1200	66.0	70.0	77.0	82.0	89.7	91.4	93.4	94.2	94.3	94.9	95.0	95.0	95.3	95.3	95.3	95.3
GE 1000	66.2	70.2	77.4	82.4	90.3	92.4	94.4	95.2	95.3	95.9	96.0	96.0	96.3	96.3	96.3	96.3
GE 900	66.2	70.2	77.4	82.4	90.3	92.4	94.8	95.6	95.7	96.2	96.3	96.3	96.7	96.7	96.7	96.7
GE 800	66.2	70.2	77.6	82.6	90.6	92.9	95.2	96.0	96.1	96.7	96.8	96.8	97.1	97.1	97.1	97.1
GE 700	66.2	70.2	77.6	82.6	90.8	93.1	95.6	96.3	96.4	97.0	97.1	97.1	97.4	97.4	97.4	97.4
GE 600	66.2	70.2	77.6	82.6	90.9	93.2	95.7	96.4	96.6	97.3	97.4	97.4	97.8	97.8	97.8	97.8
GE 500	66.3	70.3	77.7	82.7	91.1	93.7	96.3	97.1	97.2	98.0	98.1	98.1	98.4	98.4	98.4	98.4
GE 400	66.3	70.3	77.7	82.7	91.2	93.8	96.4	97.2	97.4	98.2	98.3	98.3	98.7	98.7	98.7	98.7
GE 300	66.3	70.3	77.7	82.7	91.2	93.8	96.9	97.7	97.9	98.8	98.9	98.9	99.2	99.2	99.2	99.4
GE 200	66.3	70.3	77.7	82.7	91.2	93.8	96.9	97.7	97.9	98.8	98.9	98.9	99.2	99.2	99.2	99.6
GE 100	66.3	70.3	77.7	82.7	91.2	93.8	96.9	97.7	97.9	98.9	99.0	99.0	99.3	99.3	99.3	99.8
GE 000	66.3	70.3	77.7	82.7	91.2	93.8	96.9	97.7	97.9	98.9	99.0	99.0	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.3	42.8	45.4	48.0	52.6	54.2	56.0	57.0	57.4	57.4	57.4	57.4	57.6	57.6	57.7	57.8
GE 20000	42.7	45.6	48.8	51.8	57.0	58.7	60.9	62.0	62.4	62.4	62.4	62.4	62.6	62.6	62.7	62.8
GE 18000	42.8	45.7	48.9	51.9	57.1	58.8	61.0	62.1	62.6	62.6	62.6	62.6	62.7	62.7	62.8	62.9
GE 16000	42.8	45.7	48.9	51.9	57.1	58.8	61.0	62.1	62.6	62.6	62.6	62.6	62.7	62.7	62.8	62.9
GE 14000	43.4	46.4	49.7	52.8	58.4	60.1	62.3	63.4	63.9	63.9	63.9	63.9	64.0	64.0	64.1	64.2
GE 12000	44.7	47.8	51.0	54.3	60.0	61.9	64.3	65.4	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.2
GE 10000	47.0	50.6	54.1	58.0	63.6	65.4	68.0	69.1	69.6	69.6	69.6	69.6	69.7	69.7	69.8	69.9
GE 9000	47.7	51.3	55.0	58.9	64.7	66.6	69.2	70.3	70.8	70.8	70.8	70.8	70.9	70.9	71.0	71.1
GE 8000	50.2	54.2	58.1	62.4	68.3	70.2	72.9	74.0	74.4	74.4	74.4	74.4	74.6	74.6	74.7	74.8
GE 7000	51.7	56.0	60.1	64.6	70.6	72.6	75.3	76.6	77.0	77.0	77.0	77.0	77.1	77.1	77.2	77.3
GE 6000	52.8	57.3	61.9	66.8	72.8	74.8	77.6	78.8	79.2	79.2	79.2	79.2	79.3	79.3	79.4	79.6
GE 5000	53.3	58.0	62.7	67.6	73.8	75.8	78.7	79.9	80.3	80.3	80.4	80.4	80.6	80.6	80.7	80.8
GE 4500	54.7	59.4	64.1	69.1	75.4	77.6	80.4	81.9	82.4	82.4	82.6	82.6	82.7	82.7	82.8	82.9
GE 4000	55.9	60.8	65.6	70.9	77.4	79.6	82.7	84.2	84.8	84.8	84.9	84.9	85.0	85.0	85.1	85.2
GE 3500	56.6	61.6	66.4	72.1	78.7	81.0	84.1	85.7	86.2	86.2	86.3	86.3	86.4	86.4	86.6	86.7
GE 3000	56.7	61.7	66.7	72.4	79.2	81.8	84.9	86.4	87.0	87.0	87.1	87.1	87.2	87.2	87.3	87.4
GE 2500	57.0	62.0	67.3	73.2	80.2	82.9	86.0	87.6	88.1	88.1	88.2	88.2	88.3	88.3	88.4	88.6
GE 2000	58.3	63.3	69.1	75.0	82.0	84.8	87.9	89.4	90.0	90.0	90.1	90.1	90.2	90.2	90.3	90.4
GE 1800	58.4	63.4	69.2	75.1	82.2	85.2	88.3	89.9	90.4	90.4	90.6	90.6	90.7	90.7	90.8	90.9
GE 1500	58.7	63.9	69.9	76.2	83.3	86.4	89.5	91.1	91.7	91.7	91.8	91.8	91.9	91.9	92.0	92.1
GE 1200	58.9	64.2	70.6	77.0	84.3	87.8	90.9	92.4	93.0	93.0	93.1	93.1	93.2	93.2	93.3	93.4
GE 1000	59.6	65.1	71.6	78.6	86.6	90.2	93.4	95.0	95.6	95.6	95.7	95.7	95.8	95.8	95.9	96.0
GE 900	59.8	65.4	72.0	79.1	87.3	91.3	94.6	96.1	96.7	96.7	96.8	96.8	96.9	96.9	97.0	97.1
GE 800	59.8	65.4	72.0	79.3	87.7	91.8	95.0	96.7	97.2	97.2	97.3	97.3	97.4	97.4	97.6	97.7
GE 700	59.8	65.4	72.0	79.3	87.8	91.9	95.2	97.0	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1
GE 600	59.8	65.4	72.0	79.3	87.9	92.0	95.3	97.1	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.2
GE 500	59.8	65.4	72.0	79.3	87.9	92.0	95.7	97.6	98.2	98.2	98.3	98.3	98.6	98.6	98.7	98.9
GE 400	59.8	65.4	72.0	79.3	87.9	92.0	95.7	97.8	98.4	98.4	98.6	98.6	98.8	98.8	99.0	99.2
GE 300	59.8	65.4	72.0	79.3	87.9	92.0	95.7	97.9	98.6	98.6	98.7	98.7	98.9	98.9	99.1	99.6
GE 200	59.8	65.4	72.0	79.3	87.9	92.0	95.7	98.0	98.7	98.8	98.9	98.9	99.3	99.3	99.6	100.0
GE 100	59.8	65.4	72.0	79.3	87.9	92.0	95.7	98.0	98.7	98.8	98.9	98.9	99.3	99.3	99.6	100.0
GE 000	59.8	65.4	72.0	79.3	87.9	92.0	95.7	98.0	98.7	98.8	98.9	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	51.8	53.6	55.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	53.1	56.8	59.4	61.4	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 18000	53.1	56.8	59.7	61.7	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	53.1	56.8	59.7	61.7	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 14000	53.4	57.1	60.0	62.0	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 12000	54.6	58.2	61.3	63.4	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	55.9	59.8	63.4	66.1	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 9000	56.9	60.8	64.4	67.1	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 8000	59.9	64.2	68.2	71.0	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 7000	61.7	66.4	70.4	73.4	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	62.3	67.2	71.3	74.4	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 5000	63.1	68.3	72.6	75.7	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	64.4	70.1	74.3	77.4	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000	65.2	71.0	75.6	78.9	80.7	80.7	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3500	66.2	72.1	76.7	80.0	81.8	81.9	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 3000	67.6	73.7	78.3	81.8	83.7	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	68.7	74.9	80.0	83.6	85.4	85.7	85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	70.6	77.4	83.1	86.8	89.2	89.6	89.6	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	70.9	77.8	83.4	87.2	89.9	90.2	90.2	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1500	71.3	78.3	84.7	89.4	92.3	92.8	92.8	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	72.2	79.7	86.4	91.6	94.6	95.0	95.1	95.2	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	72.6	80.2	87.2	93.0	96.3	96.9	97.1	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	72.6	80.2	87.3	93.3	96.7	97.3	97.6	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	72.7	80.3	87.4	93.6	97.0	97.7	97.9	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	72.7	80.3	87.9	94.0	97.6	98.2	98.4	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	72.8	80.4	88.0	94.1	97.7	98.4	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	72.8	80.4	88.0	94.1	98.0	98.9	99.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	72.8	80.4	88.0	94.1	98.0	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.8	80.4	88.0	94.1	98.0	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.8	80.4	88.0	94.1	98.0	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.8	80.4	88.0	94.1	98.0	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.8	80.4	88.0	94.1	98.0	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.7	49.9	50.9	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	54.2	56.9	59.2	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	54.2	57.1	59.4	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	54.2	57.1	59.4	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	54.2	57.1	59.4	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 12000	55.4	58.4	60.8	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000	56.6	60.1	62.6	63.4	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 9000	57.2	61.0	63.4	64.3	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	60.2	64.2	66.7	67.6	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	61.8	65.8	68.4	69.3	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	61.8	65.8	68.6	69.4	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 5000	63.0	67.2	70.2	71.4	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	64.1	68.7	71.8	73.0	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	67.2	72.2	76.2	77.9	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	70.3	75.3	79.4	81.2	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	73.7	79.1	83.6	85.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	75.8	81.4	86.4	88.7	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	78.2	84.6	90.2	92.9	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	78.8	85.1	90.8	93.4	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	79.6	86.0	91.9	94.7	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	80.3	86.9	93.2	96.1	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	80.6	87.1	93.4	96.4	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	80.7	87.2	93.6	96.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	80.8	87.3	93.8	96.9	99.2	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	80.8	87.3	93.8	96.9	99.2	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.3	50.6	52.0	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	57.6	60.3	62.2	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 18000	57.9	60.7	62.6	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 16000	57.9	60.7	62.6	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 14000	58.7	61.4	63.3	64.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 12000	60.3	63.1	65.0	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 10000	61.7	64.4	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 9000	62.8	65.9	68.1	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 8000	64.0	67.4	69.7	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 7000	64.4	67.9	70.2	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 6000	65.2	68.8	71.3	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000	68.2	71.8	74.7	75.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 4500	69.8	73.4	76.3	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	72.8	76.8	80.6	82.3	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	75.3	79.7	83.8	85.6	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3000	78.9	83.4	88.0	90.0	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	80.8	85.8	90.7	92.7	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2000	82.9	88.0	93.2	95.4	96.9	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	82.9	88.0	93.2	95.4	96.9	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	83.3	88.7	93.9	96.2	97.7	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	83.3	88.7	93.9	96.2	97.8	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	83.4	89.0	94.2	96.6	98.1	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
GE 900	83.4	89.0	94.2	96.6	98.2	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 800	83.4	89.0	94.3	96.7	98.3	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 700	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	83.6	89.1	94.4	97.0	98.8	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.3	58.2	59.7	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 20000	65.2	67.3	69.2	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 18000	65.6	67.7	69.6	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 16000	65.6	67.7	69.6	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	66.3	68.4	70.3	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 12000	67.2	69.6	71.6	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	70.1	72.7	74.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 9000	71.2	74.0	76.2	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 8000	73.4	76.4	78.8	80.1	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 7000	74.9	77.9	80.3	81.8	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	75.7	78.8	81.3	82.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	77.3	80.8	83.8	85.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4500	78.7	82.4	85.4	86.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4000	80.7	84.7	88.2	89.9	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	82.2	86.2	89.9	91.7	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	83.8	87.8	91.6	93.6	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	84.4	88.8	92.7	94.8	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	85.0	89.4	93.7	96.0	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	85.0	89.4	93.7	96.0	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	85.2	89.7	94.2	96.6	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	85.2	89.7	94.2	96.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	85.2	89.8	94.4	96.8	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	85.3	89.9	94.6	96.9	98.9	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.4	90.0	94.8	97.2	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.1	59.4	61.6	62.6	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 20000	63.2	66.1	68.3	69.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 18000	63.4	66.3	68.6	69.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 16000	63.4	66.3	68.6	69.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	63.9	66.8	69.0	70.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	66.4	69.6	71.8	72.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 10000	70.4	73.9	76.1	77.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 9000	72.0	75.4	77.9	78.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	73.8	77.4	79.9	81.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	75.8	79.6	82.0	83.2	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 6000	76.3	80.2	82.8	84.0	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 5000	78.8	82.8	85.7	87.0	88.6	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	79.2	83.4	86.8	88.1	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4000	81.4	85.7	89.7	91.1	92.8	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	82.2	86.7	90.7	92.1	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	83.0	87.4	91.6	93.1	95.0	95.1	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	84.0	88.6	92.8	94.4	96.4	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000	84.7	89.2	93.4	95.1	97.1	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	84.7	89.2	93.4	95.1	97.1	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	84.9	89.4	93.8	95.4	97.6	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	85.0	89.6	93.9	95.6	97.7	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	85.4	90.0	94.4	96.1	98.4	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	85.7	90.2	94.7	96.3	98.7	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	85.8	90.3	94.8	96.4	98.8	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	85.8	90.3	94.8	96.4	98.8	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	85.8	90.3	94.9	96.6	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	52.5	54.5	56.0	57.8	58.1	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8
GE 20000	55.6	58.6	61.3	63.0	65.0	65.4	65.8	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
GE 18000	55.7	58.8	61.5	63.2	65.2	65.6	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
GE 16000	55.7	58.8	61.5	63.2	65.2	65.6	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
GE 14000	56.1	59.2	61.9	63.6	65.7	66.1	66.5	66.7	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9
GE 12000	57.6	60.8	63.6	65.3	67.4	67.8	68.3	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 10000	60.0	63.4	66.4	68.4	70.5	70.9	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9
GE 9000	60.9	64.5	67.6	69.5	71.7	72.1	72.7	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 8000	63.2	67.0	70.3	72.4	74.7	75.1	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1
GE 7000	64.5	68.5	71.9	74.1	76.4	76.9	77.5	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9
GE 6000	65.3	69.4	72.9	75.2	77.6	78.0	78.6	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1
GE 5000	66.9	71.1	74.9	77.2	79.8	80.3	80.8	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3
GE 4500	68.0	72.4	76.3	78.6	81.3	81.8	82.3	82.6	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9
GE 4000	70.0	74.6	78.9	81.7	84.5	85.0	85.6	85.9	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2
GE 3500	71.3	76.0	80.5	83.4	86.2	86.8	87.5	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1
GE 3000	73.0	77.8	82.5	85.5	88.6	89.3	90.0	90.3	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6
GE 2500	74.1	79.1	84.0	87.2	90.3	91.0	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4
GE 2000	75.4	80.6	85.8	89.1	92.5	93.2	93.9	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1800	75.5	80.7	86.0	89.3	92.7	93.4	94.2	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500	76.0	81.3	86.8	90.3	93.8	94.5	95.3	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
GE 1200	76.3	81.7	87.3	91.0	94.5	95.3	96.2	96.5	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9
GE 1000	76.6	82.1	87.8	91.6	95.3	96.3	97.2	97.6	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0
GE 900	76.7	82.2	88.0	91.8	95.6	96.6	97.5	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 800	76.7	82.2	88.1	92.0	95.8	96.9	97.8	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.7
GE 700	76.7	82.3	88.1	92.1	96.0	97.1	98.1	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0
GE 600	76.8	82.3	88.2	92.1	96.1	97.2	98.2	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 500	76.8	82.3	88.3	92.2	96.3	97.4	98.5	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5
GE 400	76.8	82.3	88.3	92.2	96.4	97.5	98.6	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 300	76.8	82.3	88.3	92.2	96.4	97.5	98.7	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.7	99.8
GE 200	76.8	82.3	88.3	92.2	96.4	97.5	98.7	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.8	99.9
GE 100	76.8	82.3	88.3	92.2	96.4	97.5	98.7	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.9
GE 000	76.8	82.3	88.3	92.2	96.4	97.5	98.7	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.6	55.1	59.6	62.3	65.5	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GE 20000	53.4	58.7	63.5	66.3	70.1	71.1	71.3	71.3	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6
GE 18000	53.4	58.7	63.5	66.3	70.1	71.1	71.3	71.3	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6
GE 16000	53.7	58.9	63.8	66.6	70.3	71.3	71.5	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8
GE 14000	53.9	59.1	64.1	66.9	70.6	71.6	71.8	71.8	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2
GE 12000	54.3	59.8	64.9	68.2	72.0	73.0	73.2	73.2	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5
GE 10000	56.7	62.4	68.7	72.4	76.5	77.6	77.8	77.8	77.8	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE 9000	58.1	63.8	70.1	73.8	77.8	79.0	79.2	79.2	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6
GE 8000	60.3	66.0	72.8	76.5	80.6	81.8	82.0	82.0	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5
GE 7000	60.8	66.5	73.3	77.1	81.4	82.7	82.9	82.9	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3
GE 6000	61.1	66.8	73.8	77.5	81.8	83.1	83.3	83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8
GE 5000	62.4	68.1	75.2	78.9	83.5	84.8	85.1	85.1	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5
GE 4500	62.7	68.4	75.9	79.9	84.7	86.0	86.2	86.2	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	64.6	70.8	78.5	82.7	87.5	88.8	89.0	89.0	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 3500	65.7	71.8	79.8	84.0	88.8	90.1	90.3	90.3	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	66.7	72.9	81.0	85.3	91.0	92.7	93.0	93.0	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 2500	67.1	73.7	81.7	86.0	91.7	93.4	93.9	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	67.2	73.8	81.8	86.1	91.9	93.7	94.1	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	67.2	73.8	81.8	86.1	91.9	93.7	94.1	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 1500	68.3	74.9	83.0	87.3	93.2	95.1	95.6	95.6	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	68.5	75.2	83.2	87.5	93.7	95.6	96.1	96.1	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	68.7	75.4	83.4	87.8	94.1	96.2	96.9	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	68.7	75.4	83.4	88.0	94.3	96.5	97.1	97.1	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	68.8	75.5	83.5	88.3	94.6	97.1	97.7	97.7	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	69.0	75.7	83.9	88.8	95.3	97.7	98.4	98.4	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	69.0	75.7	83.9	88.8	95.4	97.8	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	69.0	75.7	83.9	88.8	95.4	97.8	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	69.1	75.8	84.0	88.9	95.5	98.1	98.7	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	69.1	75.8	84.0	88.9	95.5	98.2	98.8	98.8	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	69.1	75.8	84.0	88.9	95.5	98.2	98.8	98.8	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	69.1	75.8	84.0	88.9	95.5	98.2	98.8	98.8	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8
GE 000	69.1	75.8	84.0	88.9	95.5	98.2	98.8	98.8	98.8	99.4	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GP 0
NO CEIL	38.0	43.9	48.9	53.8	58.7	60.5	62.3	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	39.7	46.0	51.9	57.0	62.2	64.1	65.9	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 18000	39.7	46.0	51.9	57.0	62.2	64.1	65.9	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 16000	39.7	46.0	51.9	57.0	62.2	64.1	65.9	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	40.0	46.3	52.3	57.3	62.5	64.4	66.2	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 12000	40.3	46.7	52.7	58.2	63.7	65.6	67.4	68.0	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	42.2	49.1	55.8	62.4	68.3	70.3	72.3	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 9000	42.8	49.9	56.6	63.2	69.2	71.3	73.2	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 8000	44.6	52.0	59.0	65.9	72.3	74.4	76.3	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 7000	45.2	52.8	59.9	66.8	73.2	75.4	77.3	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 6000	45.5	53.1	60.3	67.2	73.7	75.8	77.7	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	46.8	54.7	62.3	69.2	76.3	78.6	80.6	81.2	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	47.5	55.5	63.1	70.1	77.8	80.2	82.3	82.8	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	49.5	57.4	65.4	72.7	81.2	83.7	85.8	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	50.4	58.4	66.3	73.7	82.3	84.7	87.0	87.6	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	51.5	59.5	67.7	75.3	84.8	87.6	90.2	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2500	51.8	60.0	68.4	76.0	85.8	88.6	91.2	91.8	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	51.9	60.1	68.6	76.2	86.2	89.0	91.7	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	52.0	60.2	68.7	76.5	86.5	89.2	91.9	92.8	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500	52.8	61.0	69.5	77.2	87.2	90.1	92.8	93.7	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	53.1	61.3	69.9	77.6	87.7	90.6	93.3	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	53.3	61.5	70.3	78.1	88.6	91.7	94.6	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	53.3	61.5	70.4	78.3	89.0	92.2	95.1	96.0	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	53.3	61.5	70.9	78.9	89.8	93.1	96.1	97.1	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	53.3	61.5	71.1	79.1	90.2	93.5	96.6	97.5	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	53.4	61.6	71.2	79.2	90.4	93.8	96.8	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	53.4	61.6	71.2	79.2	90.6	94.0	97.0	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	53.4	61.6	71.2	79.2	90.6	94.1	97.1	98.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	53.4	61.6	71.2	79.2	90.6	94.1	97.1	98.1	98.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2
GE 200	53.4	61.6	71.2	79.2	90.6	94.1	97.1	98.1	98.4	98.9	99.1	99.1	99.4	99.4	99.4	99.4
GE 100	53.4	61.6	71.2	79.2	90.6	94.1	97.1	98.2	98.5	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 000	53.4	61.6	71.2	79.2	90.6	94.1	97.1	98.2	98.5	99.0	99.2	99.2	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.4	33.9	39.8	46.8	53.1	55.2	56.8	58.9	59.5	60.0	60.0	60.0	60.1	60.1	60.1	60.1
GE 20000	32.6	38.0	44.7	52.5	59.6	61.8	63.4	65.9	66.6	67.1	67.1	67.1	67.2	67.2	67.2	67.2
GE 18000	32.9	38.3	45.1	52.8	59.9	62.2	63.8	66.2	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5
GE 16000	32.9	38.3	45.1	52.9	60.0	62.3	63.9	66.3	67.0	67.5	67.5	67.5	67.6	67.6	67.6	67.6
GE 14000	33.1	38.5	45.3	53.1	60.2	62.5	64.1	66.6	67.2	67.7	67.7	67.7	67.8	67.8	67.8	67.8
GE 12000	33.3	38.8	45.9	53.9	61.0	63.7	65.3	67.7	68.4	68.9	68.9	68.9	69.0	69.0	69.0	69.0
GE 10000	34.3	40.5	47.7	56.5	64.5	67.2	68.8	71.4	72.0	72.6	72.6	72.6	72.7	72.7	72.7	72.7
GE 9000	34.3	40.5	47.7	56.5	64.7	67.4	69.0	71.6	72.3	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 8000	35.6	42.0	49.5	58.9	67.7	70.6	72.3	74.9	75.6	76.2	76.2	76.2	76.3	76.3	76.3	76.3
GE 7000	35.8	42.3	49.7	59.1	68.2	71.1	72.7	75.4	76.0	76.7	76.7	76.7	76.8	76.8	76.8	76.8
GE 6000	36.1	42.6	50.5	60.1	69.4	72.4	74.0	76.7	77.3	78.0	78.0	78.0	78.1	78.1	78.1	78.1
GE 5000	36.5	42.9	51.4	61.3	70.9	74.0	75.7	78.5	79.1	79.8	79.8	79.8	79.9	79.9	79.9	79.9
GE 4500	36.9	43.3	52.2	62.3	71.9	75.1	76.8	79.6	80.2	80.9	80.9	80.9	81.0	81.0	81.0	81.0
GE 4000	37.7	44.4	53.3	63.7	74.1	77.3	79.0	81.9	82.8	83.5	83.5	83.5	83.7	83.7	83.7	83.7
GE 3500	38.4	45.2	54.1	64.4	74.8	78.1	79.8	82.7	83.5	84.3	84.3	84.3	84.4	84.4	84.4	84.4
GE 3000	39.5	46.5	55.6	66.0	76.7	80.2	81.9	84.8	85.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 2500	39.9	46.9	56.1	66.6	77.3	81.0	82.8	85.7	86.6	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 2000	40.3	47.3	56.7	67.1	78.2	82.0	84.3	87.2	88.2	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 1800	40.5	47.5	56.9	67.4	78.5	82.4	84.6	87.5	88.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 1500	41.4	48.4	58.0	68.5	79.6	83.5	85.9	88.8	89.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
GE 1200	42.4	49.5	59.0	69.7	80.8	84.8	87.7	90.6	91.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 1000	42.7	49.9	59.8	70.6	81.9	86.5	89.8	92.7	93.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 900	42.8	50.0	59.9	70.8	82.3	86.9	90.5	93.4	94.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8
GE 800	42.8	50.0	60.0	71.1	82.6	87.2	91.0	94.1	95.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5
GE 700	42.8	50.0	60.1	71.4	83.1	87.7	91.6	94.9	95.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 600	42.9	50.1	60.3	71.7	83.7	88.5	92.5	96.0	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 500	42.9	50.2	60.4	71.8	84.1	88.9	93.1	96.9	97.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 400	42.9	50.2	60.4	71.8	84.1	88.9	93.1	96.9	97.8	99.1	99.2	99.2	99.6	99.6	99.6	99.6
GE 300	42.9	50.2	60.4	71.8	84.1	89.0	93.2	97.0	98.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7
GE 200	42.9	50.2	60.4	71.8	84.1	89.0	93.2	97.0	98.0	99.2	99.4	99.4	99.8	99.8	99.8	99.8
GE 100	42.9	50.2	60.4	71.8	84.1	89.0	93.2	97.0	98.0	99.2	99.4	99.4	99.8	99.8	99.8	99.8
GE 000	42.9	50.2	60.4	71.8	84.1	89.0	93.2	97.0	98.0	99.2	99.4	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	49.7	54.4	56.9	58.7	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	50.5	55.9	61.1	64.0	66.1	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 18000	50.9	56.2	61.4	64.3	66.5	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 16000	50.9	56.2	61.4	64.3	66.6	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	51.0	56.5	61.6	64.5	66.8	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	51.8	57.4	62.7	65.7	68.0	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 10000	53.9	60.0	65.5	68.7	71.5	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 9000	54.2	60.5	66.2	69.5	72.3	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 8000	55.2	61.5	67.4	70.6	73.4	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	55.5	61.8	67.8	71.2	74.0	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 6000	56.1	62.7	68.8	72.2	74.9	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 5000	56.7	63.3	70.0	73.4	76.3	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	57.2	64.0	70.6	74.1	77.0	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	59.5	66.2	73.1	76.8	80.3	80.5	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	60.2	67.2	74.1	78.1	81.7	81.9	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000	62.3	69.5	76.7	80.9	84.8	85.1	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 2500	63.3	70.6	78.2	82.5	86.6	86.9	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 2000	64.4	71.8	79.6	84.3	88.6	89.0	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
GE 1800	64.7	72.3	80.1	84.8	89.2	89.7	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	66.6	74.5	82.5	87.4	92.0	92.7	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	67.0	75.1	83.5	88.7	93.4	94.1	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	67.4	75.6	84.3	89.7	94.5	95.2	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	67.6	75.8	84.6	90.0	94.9	95.6	96.5	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	67.8	76.0	85.1	90.6	95.6	96.2	97.1	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	68.2	76.3	85.5	91.1	96.0	96.7	97.5	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.7	77.1	86.3	91.9	97.0	97.6	98.5	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	48.9	51.4	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	53.0	57.0	59.9	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 18000	53.2	57.2	60.1	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	53.2	57.2	60.1	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	53.5	57.5	60.4	61.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	54.4	58.4	61.4	62.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	56.5	61.3	64.4	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 9000	56.7	61.5	64.6	65.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	57.8	62.8	66.1	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	58.9	64.1	67.4	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	59.2	64.4	67.7	68.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 5000	60.6	65.9	69.2	70.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	62.4	67.7	71.2	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000	65.7	72.7	76.7	77.7	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	69.5	77.1	81.2	82.4	84.0	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3000	72.2	80.3	84.9	86.1	88.0	88.1	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2500	74.0	82.9	87.6	89.0	90.9	91.0	91.4	91.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 2000	75.5	84.8	90.0	91.5	93.4	93.5	94.0	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1800	75.8	85.2	90.3	91.8	93.8	93.9	94.3	94.5	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9
GE 1500	76.6	85.9	91.2	92.9	94.8	94.9	95.4	95.6	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
GE 1200	77.7	87.1	92.5	94.2	96.3	96.5	96.9	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 1000	78.7	88.1	93.4	95.3	97.5	97.7	98.5	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 900	78.7	88.2	93.5	95.4	97.6	97.8	98.6	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 800	79.1	88.6	94.0	95.8	98.1	98.4	99.1	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	79.1	88.6	94.1	95.9	98.2	98.5	99.2	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	47.5	51.2	52.2	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	51.0	55.8	59.7	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	51.0	55.8	59.7	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	51.1	55.9	59.8	61.2	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 14000	51.3	56.1	60.0	61.5	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	51.9	56.8	60.6	62.2	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 10000	56.0	61.3	65.4	67.0	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 9000	56.5	61.7	65.8	67.4	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 8000	59.6	64.8	69.4	71.0	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 7000	60.6	66.1	70.8	72.4	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 6000	61.2	66.7	71.4	73.0	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 5000	63.3	68.8	73.5	75.2	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4500	64.3	69.8	74.8	76.6	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	68.2	74.8	80.3	82.5	83.4	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	71.8	79.0	84.8	87.3	88.4	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 3000	74.1	81.7	88.0	91.1	92.6	93.3	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
GE 2500	75.5	83.2	89.9	93.1	94.9	95.7	96.1	96.1	96.1	96.2	96.3	96.3	96.6	96.6	96.6	96.6
GE 2000	76.3	84.4	91.1	94.4	96.2	97.0	97.5	97.5	97.5	97.8	98.0	98.0	98.3	98.3	98.3	98.3
GE 1800	76.6	84.6	91.3	94.6	96.5	97.2	97.7	97.7	97.7	98.1	98.2	98.2	98.5	98.5	98.5	98.5
GE 1500	76.7	84.7	91.4	94.7	96.6	97.3	98.0	98.0	98.0	98.3	98.5	98.5	98.9	98.9	98.9	98.9
GE 1200	77.0	85.1	91.7	95.1	97.0	97.8	98.5	98.5	98.5	98.8	99.0	99.0	99.5	99.5	99.5	99.5
GE 1000	77.2	85.3	91.9	95.3	97.2	98.1	98.7	98.7	98.7	99.0	99.2	99.2	99.7	99.7	99.7	99.7
GE 900	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 800	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 700	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 600	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 500	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 400	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 300	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 200	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	77.4	85.6	92.3	95.6	97.5	98.4	99.0	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	55.7	58.6	59.9	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 20000	57.5	63.2	66.9	68.4	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 18000	57.5	63.2	66.9	68.4	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	57.5	63.2	66.9	68.4	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	58.2	63.9	67.5	69.1	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	59.7	65.4	69.2	70.9	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	63.5	69.8	74.0	75.7	76.9	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 9000	64.5	70.8	74.9	76.7	77.8	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
GE 8000	67.5	74.0	78.5	80.3	81.6	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
GE 7000	68.6	75.3	79.8	81.6	82.9	83.7	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
GE 6000	69.0	75.9	80.4	82.3	83.5	84.3	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7
GE 5000	71.3	78.2	82.7	84.6	85.9	86.7	86.9	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2
GE 4500	72.3	79.5	84.1	86.1	87.4	88.2	88.5	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
GE 4000	75.1	82.7	88.0	90.2	91.9	92.7	93.0	93.0	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	75.8	83.4	89.0	91.4	93.3	94.1	94.5	94.5	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	76.5	84.2	90.0	92.7	94.8	95.6	96.0	96.0	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	76.6	84.3	90.4	93.3	95.7	96.6	97.0	97.0	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	76.9	84.7	90.9	93.9	96.3	97.2	97.7	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	76.9	84.7	90.9	93.9	96.3	97.2	97.7	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	77.1	84.9	91.1	94.1	96.6	97.4	98.0	98.0	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5
GE 1200	77.5	85.4	91.5	94.5	97.0	97.8	98.5	98.5	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.0
GE 1000	77.5	85.5	91.7	94.7	97.2	98.1	98.8	98.8	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.4
GE 900	77.5	85.6	91.8	94.8	97.3	98.2	98.9	99.0	99.0	99.2	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	77.5	85.7	91.9	94.9	97.5	98.4	99.1	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 700	77.5	85.7	91.9	94.9	97.5	98.4	99.1	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 600	77.5	85.7	91.9	94.9	97.5	98.4	99.1	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	77.5	85.7	91.9	94.9	97.5	98.4	99.2	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.9	58.1	61.3	63.8	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 20000	58.3	64.0	67.8	70.6	72.4	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 18000	58.3	64.0	68.0	70.8	72.5	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 16000	58.3	64.0	68.0	70.8	72.5	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 14000	58.8	64.5	68.5	71.3	73.0	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000	60.2	65.9	70.0	72.8	75.1	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 10000	64.8	70.6	75.2	78.3	80.5	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 9000	65.7	71.5	76.0	79.2	81.5	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	67.5	73.3	78.0	81.2	83.4	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 7000	68.3	74.1	78.7	81.9	84.2	84.8	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	68.7	74.5	79.1	82.4	84.8	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 5000	70.8	76.9	81.5	84.8	87.5	88.3	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	71.6	77.8	82.5	85.8	88.6	89.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4000	73.5	79.9	84.5	88.0	91.1	91.8	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	74.9	81.4	86.0	89.8	93.0	93.8	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3000	75.3	81.7	86.7	90.6	94.4	95.2	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2500	76.1	82.8	87.7	91.7	95.5	96.2	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	76.1	82.8	87.7	91.7	95.5	96.2	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	76.1	82.8	87.8	91.8	95.6	96.3	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	76.6	83.2	88.3	92.4	96.1	96.9	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	77.3	84.0	89.1	93.2	97.0	97.8	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	77.4	84.2	89.5	93.5	97.3	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	77.4	84.2	89.5	93.5	97.3	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	77.4	84.2	89.5	93.5	97.3	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	77.7	84.5	89.8	93.9	97.6	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	77.7	84.5	89.8	93.9	97.6	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	77.8	84.6	89.9	94.0	97.7	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.3	49.1	53.1	55.9	58.4	59.1	59.6	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	49.5	54.8	59.4	62.6	65.4	66.2	66.7	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18000	49.6	54.9	59.6	62.7	65.5	66.3	66.8	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 16000	49.7	55.0	59.6	62.8	65.6	66.4	66.9	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 14000	50.0	55.3	60.0	63.1	66.0	66.8	67.3	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0
GE 12000	50.8	56.1	60.9	64.3	67.2	68.1	68.6	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 10000	53.5	59.4	64.6	68.3	71.5	72.4	72.9	73.4	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7
GE 9000	54.1	60.0	65.3	69.0	72.2	73.2	73.7	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 8000	56.0	62.1	67.6	71.4	74.8	75.9	76.4	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	56.7	62.9	68.4	72.3	75.8	76.8	77.3	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 6000	57.1	63.3	69.0	72.9	76.5	77.6	78.1	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9
GE 5000	58.5	64.9	70.7	74.7	78.5	79.6	80.1	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	59.4	65.8	71.8	75.9	79.8	80.9	81.5	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 4000	61.7	68.6	75.0	79.3	83.6	84.8	85.4	85.9	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4
GE 3500	63.3	70.4	76.9	81.4	85.8	87.0	87.7	88.2	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 3000	64.7	72.0	78.8	83.5	88.4	89.7	90.5	91.0	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
GE 2500	65.5	73.1	80.0	84.8	89.8	91.2	92.0	92.5	92.7	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 2000	65.1	73.7	80.8	85.7	90.8	92.2	93.2	93.7	93.9	94.2	94.3	94.3	94.4	94.4	94.4	94.4
GE 1800	66.2	73.9	81.0	85.9	91.0	92.4	93.4	94.0	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6
GE 1500	67.0	74.7	81.9	86.8	92.0	93.5	94.5	95.0	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.7
GE 1200	67.6	75.3	82.6	87.6	92.9	94.4	95.5	96.0	96.2	96.5	96.6	96.6	96.7	96.7	96.7	96.7
GE 1000	67.9	75.7	83.1	88.1	93.5	95.2	96.5	97.0	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 900	67.9	75.8	83.2	88.3	93.8	95.5	96.8	97.4	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 800	68.0	75.9	83.4	88.6	94.1	95.9	97.2	97.9	98.1	98.5	98.6	98.6	98.7	98.7	98.7	98.7
GE 700	68.1	76.0	83.6	88.8	94.4	96.2	97.6	98.3	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1
GE 600	68.2	76.1	83.7	89.0	94.7	96.5	97.9	98.6	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 500	68.3	76.1	83.8	89.0	94.8	96.6	98.0	98.8	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	68.3	76.2	83.8	89.0	94.8	96.6	98.0	98.8	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	68.3	76.2	83.8	89.0	94.8	96.6	98.1	98.9	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	68.3	76.2	83.8	89.0	94.8	96.6	98.1	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9
GE 100	68.3	76.2	83.8	89.0	94.8	96.6	98.1	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9
GE 000	68.3	76.2	83.8	89.0	94.8	96.6	98.1	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	52.5	58.1	61.6	65.1	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 20000	52.0	57.3	63.9	67.5	71.2	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 18000	52.0	57.3	63.9	67.5	71.2	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 16000	52.0	57.3	63.9	67.5	71.2	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 14000	52.0	57.3	64.0	67.6	71.4	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	53.0	58.4	65.5	69.1	73.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 10000	55.4	61.1	68.6	72.8	77.3	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 9000	55.9	61.6	69.4	73.7	78.2	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 8000	57.7	64.0	72.3	77.1	82.0	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 7000	59.5	65.9	74.2	79.0	84.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	60.1	66.7	74.9	79.9	84.9	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 5000	60.6	67.6	75.9	80.9	86.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4500	61.1	68.1	76.3	81.4	86.7	87.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4000	63.1	70.3	79.6	85.1	90.3	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	64.0	71.3	80.8	86.3	91.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3000	65.1	72.6	82.6	88.2	93.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	65.1	72.6	82.6	88.2	93.8	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	65.3	72.9	83.0	88.6	94.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1800	65.3	72.9	83.0	88.6	94.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	65.7	73.4	83.5	89.4	94.9	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	66.0	73.8	84.0	89.9	95.7	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	66.3	74.2	84.7	91.0	97.0	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	66.6	74.4	84.9	91.3	97.3	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	66.6	74.7	85.4	91.7	97.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	66.6	74.7	85.4	91.7	97.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	66.6	74.7	85.4	91.7	97.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	66.7	74.8	85.6	91.9	98.2	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.0	40.0	47.0	51.2	57.0	58.6	60.0	60.2	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5
GE 20000	39.7	43.3	50.8	55.8	62.7	64.6	66.1	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	39.7	43.3	50.8	55.8	62.7	64.6	66.1	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	39.7	43.3	50.8	55.8	62.7	64.6	66.1	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 14000	39.8	43.4	51.0	56.1	63.0	64.9	66.5	66.7	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0
GE 12000	40.6	44.4	52.5	57.8	65.2	67.1	68.6	68.8	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1
GE 10000	43.2	47.4	55.7	61.1	69.2	71.5	73.0	73.2	73.2	73.3	73.5	73.5	73.5	73.5	73.5	73.5
GE 9000	43.9	48.3	56.6	61.9	70.4	72.7	74.3	74.5	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	45.7	50.2	58.6	64.6	73.7	76.3	78.0	78.2	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5
GE 7000	48.4	52.9	61.3	67.3	76.5	79.2	80.9	81.1	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	48.8	53.4	62.3	68.4	77.7	80.5	82.2	82.4	82.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	49.6	54.2	63.3	69.6	79.0	81.9	83.5	83.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1
GE 4500	50.1	54.7	64.1	70.3	79.8	82.7	84.3	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8
GE 4000	50.8	56.0	65.8	72.3	82.5	85.5	87.3	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8
GE 3500	52.2	57.5	67.4	73.9	84.1	87.2	89.0	89.2	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	52.6	58.1	68.1	74.9	85.2	88.3	90.4	90.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	53.1	58.6	68.6	75.5	86.0	89.1	91.3	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	53.7	59.1	69.1	76.2	86.9	90.2	92.4	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	53.8	59.2	69.2	76.3	87.0	90.3	92.5	92.8	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	54.1	59.6	69.7	77.0	87.6	91.0	93.1	93.4	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	54.2	59.8	70.0	77.5	88.2	91.5	93.8	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	54.4	60.0	70.5	78.1	89.1	92.6	94.8	95.2	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5
GE 900	54.4	60.0	70.8	78.3	89.4	92.8	95.1	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	55.1	61.1	72.2	80.0	91.1	94.5	96.8	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 700	55.1	61.1	72.4	80.2	91.3	94.7	97.0	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	55.1	61.1	72.4	80.2	91.6	95.2	97.5	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	55.2	61.2	72.5	80.3	91.7	95.4	97.7	98.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	55.2	61.2	72.5	80.3	91.8	95.5	97.8	98.5	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	55.2	61.2	72.5	80.3	91.8	95.5	97.8	98.6	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	55.2	61.2	72.5	80.3	91.8	95.6	98.0	98.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	55.2	61.2	72.5	80.3	91.8	95.6	98.0	98.7	98.7	99.0	99.5	99.5	99.6	99.7	99.7	99.7
GE 000	55.2	61.2	72.5	80.3	91.8	95.6	98.0	98.7	98.7	99.0	99.5	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.8	30.0	33.7	38.9	46.1	50.0	53.5	56.5	57.1	57.4	57.5	57.5	58.1	58.3	58.4	58.4
GE 20000	28.8	32.3	36.3	41.9	49.9	54.3	58.1	61.1	61.8	62.2	62.3	62.3	62.8	63.0	63.1	63.1
GE 18000	28.9	32.4	36.5	42.0	50.0	54.4	58.2	61.2	61.9	62.3	62.4	62.4	62.9	63.1	63.2	63.2
GE 16000	28.9	32.4	36.5	42.0	50.0	54.4	58.2	61.2	61.9	62.3	62.4	62.4	62.9	63.1	63.2	63.2
GE 14000	29.1	32.6	36.7	42.3	50.2	54.7	58.6	61.6	62.4	62.7	62.8	62.8	63.3	63.5	63.7	63.7
GE 12000	29.6	33.0	37.2	43.7	51.7	56.3	60.6	63.7	64.4	64.7	64.8	64.8	65.4	65.6	65.7	65.7
GE 10000	31.6	35.2	40.0	47.4	55.8	60.8	65.2	68.6	69.4	69.7	69.8	69.8	70.3	70.5	70.6	70.6
GE 9000	32.2	35.7	40.5	48.0	56.5	61.4	65.8	69.2	70.0	70.3	70.4	70.4	71.0	71.2	71.3	71.3
GE 8000	34.4	38.5	43.5	51.4	60.6	65.9	70.4	74.1	74.8	75.2	75.3	75.3	75.8	76.0	76.1	76.1
GE 7000	35.1	39.6	44.8	53.0	62.7	68.0	72.5	76.1	76.9	77.2	77.3	77.3	77.8	78.1	78.2	78.2
GE 6000	35.3	39.9	45.6	54.1	64.2	69.5	74.2	77.8	78.6	78.9	79.0	79.0	79.6	79.8	79.9	79.9
GE 5000	36.1	41.0	46.7	55.4	65.9	71.2	75.9	79.7	80.4	80.8	80.9	80.9	81.4	81.6	81.7	81.7
GE 4500	36.6	41.5	47.2	55.9	66.5	71.8	76.6	80.3	81.1	81.4	81.5	81.5	82.0	82.3	82.4	82.4
GE 4000	36.8	41.7	47.5	56.3	67.1	72.5	77.4	81.6	82.4	82.7	82.8	82.8	83.3	83.5	83.7	83.7
GE 3500	37.6	42.6	48.5	57.3	68.2	73.5	78.7	83.0	83.8	84.1	84.2	84.2	84.7	84.9	85.1	85.1
GE 3000	38.0	42.9	49.1	58.0	69.1	74.5	79.7	84.3	85.1	85.4	85.5	85.5	86.0	86.2	86.3	86.3
GE 2500	38.3	43.3	49.6	58.5	69.7	75.1	80.3	85.1	85.8	86.1	86.2	86.2	86.8	87.0	87.1	87.1
GE 2000	38.6	43.7	49.9	58.8	70.0	75.4	80.6	85.4	86.1	86.5	86.6	86.6	87.1	87.3	87.4	87.4
GE 1800	39.1	44.3	50.5	59.5	70.6	76.0	81.3	86.0	86.8	87.2	87.3	87.3	87.8	88.1	88.2	88.2
GE 1500	39.7	44.8	51.3	60.5	71.8	77.5	83.0	87.8	88.6	89.0	89.1	89.1	89.7	89.9	90.0	90.0
GE 1200	40.1	45.3	51.9	61.3	72.8	78.6	84.2	89.0	89.8	90.2	90.3	90.3	90.9	91.1	91.2	91.2
GE 1000	40.3	45.7	52.7	62.3	74.1	80.0	85.8	90.6	91.4	91.8	91.9	91.9	92.5	92.7	92.8	92.8
GE 900	40.8	46.2	53.2	62.8	74.8	80.9	86.7	91.5	92.3	92.7	92.8	92.8	93.3	93.5	93.7	93.7
GE 800	40.8	46.3	53.3	62.9	75.3	81.6	87.6	92.5	93.2	93.7	93.8	93.8	94.3	94.5	94.6	94.6
GE 700	40.9	46.5	53.8	63.4	75.9	82.3	88.3	93.1	93.9	94.3	94.4	94.4	94.9	95.2	95.3	95.3
GE 600	41.0	46.7	54.0	63.8	76.3	83.0	89.5	94.5	95.3	95.7	95.8	95.8	96.3	96.6	96.7	96.7
GE 500	41.0	46.7	54.0	63.8	76.7	83.3	89.9	95.2	95.9	96.3	96.6	96.6	97.1	97.3	97.4	97.4
GE 400	41.0	46.7	54.0	63.8	76.7	83.3	90.0	95.6	96.6	97.1	97.3	97.3	97.8	98.1	98.2	98.2
GE 300	41.0	46.7	54.0	63.8	76.7	83.3	90.0	95.9	96.9	97.6	98.0	98.0	98.5	98.7	98.8	98.8
GE 200	41.0	46.7	54.0	63.8	76.7	83.3	90.0	95.9	96.9	97.6	98.3	98.3	99.0	99.2	99.5	99.7
GE 100	41.0	46.7	54.0	63.8	76.7	83.3	90.0	95.9	96.9	97.6	98.3	98.3	99.0	99.4	99.7	100.0
GE 000	41.0	46.7	54.0	63.8	76.7	83.3	90.0	95.9	96.9	97.6	98.3	98.3	99.0	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.4	46.0	50.1	54.2	57.6	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	44.5	49.8	55.2	59.9	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 18000	44.6	49.9	55.3	60.0	64.0	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 16000	44.7	50.0	55.4	60.1	64.1	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	44.7	50.0	55.4	60.1	64.1	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12000	45.4	50.6	56.6	61.6	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 10000	47.1	53.1	59.8	65.9	70.1	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 9000	47.1	53.2	59.9	66.0	70.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 8000	48.3	54.6	61.8	68.3	73.1	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	49.0	55.5	62.9	69.5	74.4	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 6000	49.7	56.5	64.4	71.1	76.2	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 5000	50.4	57.3	65.6	72.4	78.1	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	50.8	57.6	66.2	73.0	78.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	52.2	59.1	68.1	74.9	81.1	82.2	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	52.9	59.9	69.1	76.5	82.8	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	53.5	60.8	70.4	78.0	84.6	85.9	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	54.5	61.7	71.4	78.9	85.6	86.9	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	55.9	63.2	73.1	80.6	87.3	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8
GE 1800	56.5	63.8	73.7	81.4	88.1	89.5	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
GE 1500	57.4	65.1	75.3	83.7	90.6	92.0	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3
GE 1200	58.5	66.7	77.2	85.9	93.0	94.7	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 1000	58.9	67.1	77.8	86.9	94.1	95.8	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 900	59.1	67.3	78.2	87.3	94.5	96.2	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 800	59.1	67.3	78.3	87.4	94.6	96.7	97.5	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
GE 700	59.2	67.5	78.7	88.0	95.6	97.6	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 600	59.2	67.5	78.8	88.1	95.7	97.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 500	59.2	67.5	78.8	88.1	95.7	97.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 400	59.2	67.5	78.8	88.2	95.9	98.0	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	59.2	67.5	78.8	88.2	95.9	98.0	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	59.2	67.5	78.8	88.2	95.9	98.0	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	59.2	67.5	78.8	88.2	95.9	98.0	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	59.2	67.5	78.8	88.2	95.9	98.0	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.8	46.8	48.6	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	46.7	53.1	55.5	58.1	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 18000	46.7	53.1	55.5	58.1	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 16000	46.7	53.1	55.5	58.1	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 14000	47.0	53.4	55.8	58.4	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 12000	48.4	54.8	57.4	60.0	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	50.9	57.3	60.6	63.8	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 9000	51.2	57.7	61.1	64.2	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	53.2	60.2	64.1	67.4	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 7000	54.1	61.1	64.9	68.3	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 6000	54.6	61.7	65.6	68.9	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	55.8	63.3	67.3	71.2	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4500	56.2	63.8	67.7	71.6	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	60.0	68.4	73.1	78.0	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3500	61.9	70.6	75.8	80.8	82.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 3000	66.9	77.0	82.7	88.1	90.6	91.1	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	68.3	78.5	84.3	89.7	92.3	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	69.9	80.2	86.2	91.7	94.4	94.9	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1800	70.3	80.6	86.8	92.3	95.2	95.7	96.0	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	70.8	81.2	87.5	93.1	96.1	96.7	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	71.0	81.7	88.3	94.1	97.3	98.1	98.4	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	71.0	81.7	88.6	94.5	97.8	98.6	98.9	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	71.0	81.7	88.7	94.6	98.0	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	71.0	81.7	88.7	94.6	98.0	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.6	47.5	51.1	53.7	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 20000	49.0	54.4	58.7	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 18000	49.4	54.7	59.0	61.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 16000	49.4	54.7	59.0	61.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 14000	49.5	54.8	59.1	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 12000	50.3	56.1	60.9	63.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	52.7	59.2	64.1	67.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 9000	53.2	59.8	64.7	68.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 8000	55.4	62.4	67.5	71.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 7000	56.3	63.3	68.5	72.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 6000	57.0	64.0	69.1	73.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 5000	58.1	65.5	71.2	75.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 4500	59.7	67.3	73.1	77.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4000	62.7	72.0	79.4	84.1	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	63.9	73.3	80.9	86.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	67.6	77.7	85.6	91.4	93.9	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	68.5	78.7	86.9	92.7	95.2	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	68.9	79.7	88.0	93.8	96.5	96.7	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	68.9	79.8	88.3	94.2	97.0	97.2	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	69.0	80.1	88.9	94.8	97.7	98.0	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	69.1	80.2	89.0	94.9	98.2	98.4	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 800	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 700	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 600	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	69.1	80.4	89.2	95.2	98.5	98.7	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.1	54.2	58.5	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 20000	54.6	60.0	65.3	68.3	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 18000	54.7	60.1	65.4	68.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 16000	54.8	60.2	65.5	68.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 14000	55.2	60.6	65.9	69.1	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	56.4	61.9	67.6	70.9	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 10000	58.7	64.8	70.8	74.8	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	59.2	65.2	71.2	75.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	62.6	69.2	75.3	80.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	63.0	69.7	76.0	80.6	83.0	83.1	83.1	83.1	83.1	83.1	83	83.1	83.1	83.1	83.1	83.1
GE 6000	63.6	70.4	76.7	81.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	64.8	72.0	78.8	83.8	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 4500	66.2	73.4	80.2	85.2	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4000	68.9	76.5	83.3	88.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	69.6	77.5	84.4	89.9	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3000	70.7	79.1	86.9	92.6	95.7	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	71.3	79.8	87.6	93.4	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	71.9	80.4	88.5	94.4	98.0	98.2	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	71.9	80.4	88.5	94.6	98.3	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	72.0	80.5	88.7	94.8	98.8	99.0	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	72.0	80.5	88.7	94.9	99.0	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	72.0	80.5	88.7	94.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 928

D - 2 - 70

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	57.8	61.9	64.9	65.5	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 20000	57.9	63.2	68.8	72.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 18000	57.9	63.2	68.8	72.7	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 16000	58.1	63.4	69.0	72.9	73.7	74.3	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 14000	58.3	63.5	69.1	73.0	73.8	74.4	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 12000	58.5	63.8	69.6	73.6	74.4	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 10000	61.5	67.1	73.5	77.6	78.6	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 9000	62.6	68.6	75.0	79.2	80.3	80.9	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 8000	65.4	71.7	78.6	83.0	84.4	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 7000	66.3	72.7	79.6	83.9	85.3	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 6000	66.9	73.2	80.5	84.8	86.2	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 5000	68.7	75.5	82.8	87.2	88.6	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 4500	69.9	76.7	84.0	88.3	89.8	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	72.3	79.2	86.8	91.2	93.0	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3500	73.0	79.9	88.0	92.3	94.2	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	73.9	80.8	89.1	93.7	96.0	96.7	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	74.0	80.9	89.2	94.0	96.7	97.3	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	74.1	81.0	89.3	94.1	96.8	97.4	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	74.1	81.2	89.6	94.4	97.1	97.7	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	74.5	81.8	90.3	95.0	97.8	98.5	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	74.8	82.0	90.8	95.6	98.4	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	74.9	82.1	90.9	95.8	98.6	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	74.9	82.1	90.9	95.8	98.6	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	74.9	82.1	91.0	95.9	98.7	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.5	46.8	51.1	54.6	57.4	58.3	59.0	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.8	59.8
GE 20000	46.7	51.7	56.8	60.7	64.1	65.2	65.9	66.4	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7
GE 18000	46.7	51.8	56.9	60.8	64.2	65.3	66.1	66.5	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8
GE 16000	46.8	51.8	56.9	60.8	64.2	65.3	66.1	66.5	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8
GE 14000	46.9	52.0	57.1	61.1	64.5	65.6	66.4	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 12000	47.8	52.9	58.4	62.6	66.1	67.2	68.1	68.5	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.8
GE 10000	50.1	55.6	61.6	66.3	70.1	71.3	72.2	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0
GE 9000	50.6	56.3	62.3	67.0	70.9	72.1	73.0	73.5	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8
GE 8000	52.8	58.8	65.2	70.4	74.6	75.9	76.8	77.3	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6
GE 7000	54.0	60.1	66.5	71.7	76.1	77.4	78.3	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1
GE 6000	54.5	60.7	67.4	72.7	77.2	78.6	79.5	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
GE 5000	55.5	62.0	68.9	74.5	79.2	80.6	81.5	82.0	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3
GE 4500	56.3	62.9	69.9	75.4	80.2	81.6	82.5	83.0	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3
GE 4000	58.3	65.4	72.9	78.8	83.9	85.3	86.3	86.9	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 3500	59.4	66.6	74.4	80.4	85.7	87.1	88.2	88.8	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 3000	61.0	68.6	76.8	83.1	88.6	90.1	91.3	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 2500	61.6	69.3	77.5	83.8	89.5	91.0	92.2	93.0	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3
GE 2000	62.3	70.0	78.4	84.8	90.5	92.1	93.3	94.0	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4
GE 1800	62.5	70.3	78.7	85.2	90.9	92.5	93.7	94.5	94.6	94.7	94.8	94.8	94.8	94.9	94.9	94.9
GE 1500	62.9	70.8	79.4	86.0	91.9	93.6	94.9	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.1
GE 1200	63.2	71.2	80.0	86.8	92.8	94.6	95.8	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.1
GE 1000	63.4	71.5	80.4	87.3	93.5	95.3	96.6	97.4	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9
GE 900	63.5	71.6	80.6	87.5	93.8	95.6	96.9	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.2	98.2
GE 800	63.6	71.8	80.8	87.8	94.1	96.0	97.4	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 700	63.6	71.8	81.0	88.0	94.4	96.2	97.6	98.4	98.5	98.7	98.7	98.7	98.8	98.9	98.9	98.9
GE 600	63.6	71.8	81.0	88.0	94.5	96.4	97.9	98.7	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	63.6	71.9	81.1	88.1	94.6	96.5	98.0	98.9	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 400	63.6	71.9	81.1	88.1	94.6	96.5	98.0	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6
GE 300	63.6	71.9	81.1	88.1	94.6	96.5	98.0	99.1	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	63.6	71.9	81.1	88.1	94.6	96.6	98.1	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9
GE 100	63.6	71.9	81.1	88.1	94.6	96.6	98.1	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.9	99.9
GE 000	63.6	71.9	81.1	88.1	94.6	96.6	98.1	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.8	59.7	61.6	62.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.1
GE 20000	61.7	64.0	65.9	67.2	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.3
GE 18000	62.0	64.3	66.2	67.6	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.7
GE 16000	62.0	64.3	66.2	67.6	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.7
GE 14000	62.6	64.9	66.8	68.1	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.2
GE 12000	64.0	66.3	68.2	69.6	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.7
GE 10000	66.7	69.1	71.1	72.4	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.6
GE 9000	67.3	69.8	71.8	73.1	74.7	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.2
GE 8000	70.3	73.0	75.4	76.9	78.6	78.7	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.1
GE 7000	72.1	74.8	77.2	78.7	80.3	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.9
GE 6000	73.3	76.0	78.6	80.0	81.8	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.4
GE 5000	75.6	78.8	81.3	82.8	84.6	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.2
GE 4500	76.6	79.8	82.3	83.8	85.6	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.2
GE 4000	78.8	82.1	85.1	86.8	88.8	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.6
GE 3500	79.4	82.8	85.8	87.6	89.6	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.3
GE 3000	81.3	84.8	87.8	89.7	91.7	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.4
GE 2500	81.6	85.0	88.0	90.0	92.0	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.8
GE 2000	82.7	86.1	89.2	91.2	93.2	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0
GE 1800	82.9	86.3	89.4	91.4	93.4	93.7	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.3
GE 1500	83.9	87.6	90.8	92.8	94.8	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.7
GE 1200	84.2	88.1	91.4	93.7	95.9	96.4	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1
GE 1000	84.4	88.3	91.8	94.1	96.3	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.7
GE 900	84.6	88.4	91.9	94.2	96.6	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.9
GE 800	85.1	89.0	92.6	94.9	97.3	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.7
GE 700	85.3	89.2	93.0	95.4	97.9	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2
GE 600	85.8	89.8	93.6	96.0	98.6	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9
GE 500	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 400	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 300	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 200	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	85.8	89.8	93.6	96.0	98.6	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	51.4	54.9	57.7	60.8	61.0	61.9	62.3	62.9	62.9	63.0	63.0	63.2	63.2	63.2	63.4
GE 20000	50.3	53.9	57.4	60.2	63.6	63.9	64.8	65.2	65.8	65.8	65.9	65.9	66.1	66.1	66.1	66.3
GE 18000	50.3	53.9	57.4	60.2	63.6	63.9	64.8	65.2	65.8	65.8	65.9	65.9	66.1	66.1	66.1	66.3
GE 16000	50.4	54.0	57.6	60.3	63.7	64.0	64.9	65.3	65.9	65.9	66.0	66.0	66.2	66.2	66.2	66.4
GE 14000	50.6	54.2	57.8	60.6	63.9	64.2	65.1	65.6	66.1	66.1	66.2	66.2	66.4	66.4	66.4	66.7
GE 12000	51.9	55.6	59.1	61.9	65.2	65.6	66.4	66.9	67.4	67.4	67.6	67.6	67.8	67.8	67.8	68.0
GE 10000	54.6	58.2	61.9	64.7	68.1	68.6	69.4	69.9	70.4	70.4	70.6	70.6	70.8	70.8	70.8	71.0
GE 9000	55.6	59.3	63.0	65.8	69.3	69.8	70.7	71.1	71.7	71.7	71.8	71.8	72.0	72.0	72.0	72.2
GE 8000	57.8	61.9	66.4	69.2	73.1	73.6	74.4	74.9	75.4	75.4	75.6	75.6	75.8	75.8	75.8	76.0
GE 7000	59.3	63.4	68.0	70.9	74.8	75.2	76.1	76.6	77.1	77.1	77.2	77.2	77.4	77.4	77.4	77.7
GE 6000	60.6	64.8	69.3	72.2	76.1	76.6	77.8	78.2	78.8	78.9	79.0	79.0	79.2	79.2	79.2	79.4
GE 5000	61.9	66.3	71.1	74.0	77.9	78.3	79.6	80.1	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.3
GE 4500	62.2	66.7	71.7	74.7	78.6	79.0	80.2	80.8	81.3	81.4	81.6	81.6	81.8	81.8	81.8	82.0
GE 4000	64.1	68.8	73.8	76.8	80.9	81.3	82.6	83.3	83.9	84.0	84.1	84.1	84.3	84.3	84.3	84.6
GE 3500	64.9	69.6	74.6	77.6	81.7	82.1	83.3	84.1	84.7	84.8	84.9	84.9	85.1	85.1	85.1	85.3
GE 3000	66.8	71.6	76.8	80.0	84.1	84.7	85.9	86.8	87.3	87.4	87.6	87.6	87.8	87.8	87.8	88.0
GE 2500	67.2	72.0	77.2	80.6	84.7	85.2	86.4	87.3	87.9	88.0	88.1	88.1	88.3	88.3	88.3	88.6
GE 2000	68.1	73.0	78.2	81.7	86.1	86.9	88.1	89.0	89.6	89.7	89.8	89.8	90.1	90.1	90.1	90.3
GE 1800	68.6	73.4	78.7	82.1	86.6	87.4	88.7	89.6	90.1	90.2	90.3	90.3	90.7	90.7	90.7	90.9
GE 1500	69.6	74.4	80.0	83.4	87.9	88.8	90.0	90.9	91.4	91.6	91.7	91.7	92.0	92.0	92.0	92.2
GE 1200	71.0	76.0	81.7	85.1	89.6	90.4	91.7	92.6	93.1	93.2	93.3	93.3	93.7	93.7	93.7	93.9
GE 1000	71.6	76.6	82.6	86.0	90.7	91.6	92.8	93.9	94.4	94.6	94.7	94.7	95.0	95.0	95.0	95.2
GE 900	71.7	76.7	82.7	86.2	90.9	91.8	93.1	94.2	94.8	94.9	95.0	95.0	95.3	95.3	95.3	95.6
GE 800	71.8	77.0	83.2	86.9	91.6	92.4	93.8	94.9	95.4	95.6	95.7	95.7	96.0	96.0	96.0	96.2
GE 700	72.2	77.6	83.8	87.6	92.3	93.2	94.6	95.8	96.3	96.4	96.6	96.6	96.9	96.9	96.9	97.1
GE 600	72.3	77.7	84.0	88.1	92.9	93.8	95.2	96.4	97.0	97.1	97.2	97.2	97.6	97.6	97.6	97.8
GE 500	72.4	77.9	84.2	88.3	93.1	94.0	95.7	97.1	97.7	97.8	97.9	97.9	98.2	98.2	98.2	98.4
GE 400	72.4	77.9	84.2	88.3	93.1	94.1	95.9	97.3	97.9	98.0	98.1	98.1	98.4	98.4	98.4	98.7
GE 300	72.4	77.9	84.2	88.3	93.1	94.1	95.9	97.3	97.9	98.0	98.2	98.2	98.6	98.6	98.6	98.8
GE 200	72.4	77.9	84.2	88.3	93.2	94.2	96.0	97.4	98.0	98.1	98.3	98.3	98.7	98.7	98.7	98.9
GE 100	72.4	77.9	84.2	88.3	93.2	94.2	96.0	97.4	98.0	98.1	98.3	98.3	98.7	98.7	98.8	99.2
GE 000	72.4	77.9	84.2	88.3	93.2	94.2	96.0	97.4	98.0	98.1	98.3	98.3	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.3	36.4	41.2	43.6	49.7	51.7	54.3	55.6	56.0	56.6	56.8	56.8	57.0	57.0	57.2	57.3
GE 20000	34.7	38.1	43.0	45.6	52.0	54.0	57.0	58.2	59.0	59.6	59.8	59.9	60.1	60.1	60.3	60.4
GE 18000	34.7	38.1	43.0	45.6	52.0	54.0	57.0	58.2	59.0	59.6	59.8	59.9	60.1	60.1	60.3	60.4
GE 16000	34.8	38.2	43.2	45.8	52.3	54.3	57.3	58.6	59.3	59.9	60.1	60.2	60.4	60.4	60.7	60.8
GE 14000	35.1	38.8	43.8	46.3	52.9	54.9	57.9	59.1	59.9	60.4	60.7	60.8	61.0	61.0	61.2	61.3
GE 12000	36.2	39.9	45.0	47.7	54.2	56.4	59.4	60.7	61.4	62.0	62.2	62.3	62.6	62.6	62.8	62.9
GE 10000	38.0	42.3	47.6	50.2	57.2	59.4	62.6	63.9	64.7	65.2	65.4	65.6	65.8	65.8	66.0	66.1
GE 9000	38.6	43.0	48.3	51.0	58.0	60.2	63.3	64.7	65.6	66.1	66.3	66.4	66.7	66.7	66.9	67.0
GE 8000	41.1	46.0	52.0	55.1	62.3	64.6	67.7	69.0	69.9	70.4	70.7	70.8	71.0	71.0	71.2	71.3
GE 7000	42.3	47.7	53.9	57.1	64.6	66.8	70.1	71.6	72.4	73.0	73.2	73.3	73.6	73.6	73.8	73.9
GE 6000	43.2	48.8	55.0	58.4	65.9	68.1	71.4	72.9	73.8	74.3	74.6	74.7	74.9	74.9	75.1	75.2
GE 5000	44.8	50.4	56.8	60.3	67.8	70.0	73.7	75.1	76.0	76.6	76.8	76.9	77.1	77.1	77.3	77.4
GE 4500	45.2	50.9	57.2	60.9	68.4	70.7	74.3	75.8	76.7	77.2	77.4	77.6	77.8	77.8	78.0	78.1
GE 4000	46.2	52.6	59.3	63.1	71.0	73.2	77.0	78.6	79.4	80.0	80.2	80.3	80.6	80.6	80.8	80.9
GE 3500	47.3	53.8	60.8	64.6	72.4	74.7	78.4	80.2	81.1	81.7	81.9	82.0	82.2	82.2	82.4	82.6
GE 3000	47.9	54.4	61.6	65.8	73.7	75.9	79.7	81.6	82.4	83.0	83.2	83.3	83.6	83.6	83.8	83.9
GE 2500	48.8	55.7	63.1	67.3	75.2	77.6	81.6	83.4	84.3	84.9	85.1	85.2	85.4	85.4	85.7	85.8
GE 2000	49.3	56.4	64.1	68.4	76.8	79.1	83.2	85.1	86.0	86.6	86.8	86.9	87.1	87.1	87.3	87.4
GE 1800	49.3	56.4	64.1	68.4	76.8	79.2	83.3	85.2	86.2	86.8	87.0	87.1	87.3	87.3	87.6	87.7
GE 1500	50.1	57.4	65.2	70.0	78.7	81.2	85.3	87.2	88.2	88.8	89.0	89.1	89.3	89.3	89.6	89.7
GE 1200	51.7	59.1	67.1	72.1	80.8	83.4	87.6	89.4	90.4	91.0	91.2	91.3	91.6	91.6	91.8	91.9
GE 1000	52.4	59.9	67.9	73.2	81.9	84.9	89.0	90.9	91.9	92.4	92.7	92.8	93.0	93.0	93.2	93.3
GE 900	52.9	60.4	68.4	73.8	82.6	85.8	89.9	91.9	92.9	93.4	93.7	93.8	94.0	94.0	94.2	94.3
GE 800	53.2	60.8	68.9	74.2	83.0	86.4	90.7	92.8	93.8	94.3	94.6	94.7	94.9	94.9	95.1	95.2
GE 700	53.2	60.8	69.3	74.7	83.6	87.0	91.2	93.3	94.3	94.9	95.1	95.2	95.4	95.4	95.7	95.8
GE 600	53.3	60.9	69.4	74.9	84.3	87.9	92.2	94.3	95.3	95.9	96.1	96.2	96.4	96.4	96.7	96.8
GE 500	53.3	60.9	69.4	74.9	84.4	88.0	92.4	94.9	95.9	96.4	96.8	96.9	97.2	97.2	97.6	97.7
GE 400	53.3	60.9	69.4	74.9	84.4	88.0	92.7	95.2	96.2	97.1	97.4	97.6	97.9	97.9	98.2	98.4
GE 300	53.3	60.9	69.4	74.9	84.4	88.0	92.7	95.2	96.2	97.1	97.7	97.8	98.1	98.1	98.6	98.8
GE 200	53.3	60.9	69.4	74.9	84.4	88.0	92.7	95.3	96.3	97.2	98.0	98.1	98.7	98.7	99.1	99.3
GE 100	53.3	60.9	69.4	74.9	84.4	88.0	92.7	95.3	96.3	97.2	98.1	98.2	98.8	98.8	99.2	99.6
GE 000	53.3	60.9	69.4	74.9	84.4	88.0	92.7	95.3	96.3	97.2	98.1	98.2	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	51.3	54.3	55.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	51.7	55.3	58.8	60.3	62.0	62.2	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 18000	51.8	55.4	58.9	60.4	62.1	62.3	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 16000	51.8	55.4	58.9	60.6	62.3	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 14000	51.9	55.7	59.1	60.8	62.6	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	53.7	57.7	61.1	63.0	64.8	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 10000	55.6	59.9	63.4	65.4	67.2	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 9000	56.7	61.0	64.7	66.7	68.4	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 8000	58.1	62.8	66.4	68.8	70.6	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	59.1	64.0	67.7	70.0	71.8	72.2	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	59.6	64.6	68.2	70.7	72.4	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 5000	61.0	66.1	69.8	72.3	74.1	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4500	61.4	66.6	70.3	73.0	74.9	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	63.0	68.3	72.3	75.0	77.1	77.9	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	63.8	69.1	73.2	75.9	78.0	78.8	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3000	64.9	70.2	74.8	77.8	79.9	80.7	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	66.1	71.7	76.2	79.2	81.3	82.2	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	68.8	74.9	79.6	82.6	84.7	85.6	86.2	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	69.4	75.6	80.2	83.4	85.6	86.4	87.1	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	71.0	77.4	82.6	86.1	88.8	89.8	90.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	72.2	78.9	84.0	87.6	90.4	91.8	92.8	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	72.9	79.7	84.8	88.4	91.4	92.9	93.9	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	73.2	80.1	85.4	89.4	92.4	93.9	94.9	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	73.2	80.1	86.0	90.0	93.2	94.9	96.0	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	73.2	80.1	86.7	90.7	94.2	96.0	97.3	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	73.3	80.2	86.8	90.9	94.7	96.4	97.8	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	73.4	80.3	87.0	91.1	95.0	96.9	98.3	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	73.4	80.4	87.1	91.2	95.1	97.0	98.4	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	73.4	80.4	87.1	91.2	95.1	97.0	98.4	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	73.4	80.4	87.1	91.2	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	73.4	80.4	87.1	91.2	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	73.4	80.4	87.1	91.2	95.1	97.0	98.4	99.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.4	50.2	51.7	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 20000	54.1	56.2	57.7	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 18000	54.4	56.6	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	54.4	56.6	58.0	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 14000	55.3	57.4	58.9	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	56.4	58.6	60.0	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 10000	58.7	61.1	62.7	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	60.0	62.4	64.0	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	62.4	64.9	66.4	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	63.6	66.0	67.6	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	64.2	66.7	68.2	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	66.2	68.9	70.6	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4500	67.6	70.2	71.9	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000	72.1	75.0	76.7	77.8	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	74.7	77.6	79.2	80.7	81.6	81.8	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	78.7	81.6	83.7	85.3	86.3	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	81.1	84.4	86.7	88.4	89.4	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	83.9	87.6	90.0	92.0	93.0	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	84.2	87.9	90.3	92.4	93.4	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	85.6	89.2	91.9	94.0	95.0	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	86.7	90.4	93.3	95.4	96.6	97.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	87.1	90.9	93.9	96.0	97.2	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	87.2	91.0	94.2	96.3	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	87.2	91.0	94.2	96.3	97.8	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	87.3	91.1	94.4	96.8	98.4	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	87.3	91.1	94.4	96.8	98.4	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.3	91.1	94.4	96.8	98.6	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	54.6	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	60.4	61.9	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 18000	60.4	61.9	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 16000	60.6	62.0	63.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 14000	60.7	62.1	63.2	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	61.4	63.0	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 10000	64.2	66.0	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 9000	65.7	67.6	68.8	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 8000	67.8	70.0	71.4	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	69.3	71.7	73.1	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	70.9	73.3	74.8	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 5000	74.6	77.1	78.6	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	75.6	78.1	79.7	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 4000	80.2	82.9	84.8	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	83.7	86.3	88.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3000	86.7	89.4	92.1	93.3	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	88.6	91.4	94.2	95.4	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	89.4	92.3	95.1	96.3	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	89.8	92.7	95.4	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	90.3	93.2	96.0	97.2	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	90.9	93.8	96.6	97.9	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	91.1	94.0	96.8	98.1	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	91.3	94.2	97.0	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.3	94.2	97.0	98.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.3	61.0	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	66.1	67.9	68.7	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 18000	66.3	68.1	68.9	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 16000	66.3	68.1	68.9	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 14000	66.7	68.4	69.2	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	68.2	70.3	71.1	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 10000	69.7	72.1	73.0	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	71.0	73.7	74.7	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	73.7	76.4	77.7	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 7000	74.6	77.4	78.8	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 6000	75.9	78.9	80.2	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 5000	79.8	82.8	84.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500	81.1	84.2	85.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4000	84.4	87.7	89.2	90.3	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3500	85.9	89.1	90.7	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	87.8	91.1	92.7	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	89.2	92.6	94.4	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	90.0	93.3	95.4	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	90.1	93.4	95.6	97.0	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	90.3	93.8	95.9	97.4	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	90.6	94.1	96.2	97.8	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	90.6	94.1	96.2	97.8	98.4	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	90.6	94.1	96.2	97.8	98.4	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	90.6	94.1	96.2	97.8	98.6	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 700	90.6	94.1	96.2	97.8	98.6	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	90.6	94.1	96.2	97.8	98.6	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	90.7	94.2	96.3	97.9	98.7	99.0	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.3	63.6	64.3	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 20000	66.3	68.1	68.9	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 18000	66.6	68.3	69.1	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 16000	66.6	68.3	69.1	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	67.0	68.8	69.6	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 12000	68.6	70.3	71.1	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	71.4	73.3	74.2	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	72.4	74.3	75.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 8000	74.9	76.9	77.9	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	75.8	77.8	78.8	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 6000	77.4	79.4	80.6	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 5000	81.0	83.1	84.3	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4500	81.9	84.1	85.3	86.4	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4000	84.9	87.1	88.4	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3500	85.7	87.9	89.2	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	88.1	90.3	92.0	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	89.1	91.4	93.1	94.7	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	90.4	92.8	94.6	96.1	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	90.6	93.0	94.8	96.3	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	91.1	93.7	95.6	97.1	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	91.2	93.8	95.8	97.3	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	91.6	94.1	96.1	97.7	98.1	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	91.6	94.1	96.1	97.7	98.2	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	91.8	94.3	96.3	98.0	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	92.0	94.6	96.6	98.2	98.9	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	92.0	94.6	96.6	98.2	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.0	94.6	96.6	98.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.4	53.5	55.7	56.9	58.3	58.7	59.1	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7
GE 20000	55.7	58.2	60.4	61.7	63.4	63.7	64.3	64.5	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0
GE 18000	55.8	58.3	60.6	61.9	63.5	63.9	64.4	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.1	65.1
GE 16000	55.9	58.4	60.6	61.9	63.7	64.0	64.5	64.8	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.3
GE 14000	56.2	58.8	61.0	62.3	64.1	64.4	65.0	65.2	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7
GE 12000	57.6	60.2	62.5	63.8	65.6	65.9	66.5	66.7	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.2
GE 10000	59.8	62.8	65.1	66.5	68.3	68.7	69.3	69.5	69.7	69.8	69.8	69.8	69.9	69.9	69.9	70.0
GE 9000	60.9	63.9	66.3	67.7	69.5	69.9	70.5	70.7	70.9	71.0	71.1	71.1	71.1	71.1	71.2	71.2
GE 8000	63.3	66.5	69.2	70.8	72.7	73.1	73.7	73.9	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.4
GE 7000	64.5	67.8	70.6	72.2	74.2	74.6	75.2	75.4	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9
GE 6000	65.6	69.1	71.9	73.5	75.5	76.0	76.6	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3
GE 5000	68.1	71.7	74.6	76.3	78.3	78.8	79.4	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.2
GE 4500	68.9	72.6	75.5	77.3	79.3	79.8	80.5	80.7	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.2
GE 4000	71.7	75.6	78.7	80.6	82.8	83.3	84.1	84.4	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.9
GE 3500	73.2	77.0	80.2	82.3	84.5	85.0	85.8	86.2	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.7
GE 3000	75.3	79.2	82.7	84.9	87.1	87.7	88.5	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.4
GE 2500	76.5	80.5	84.1	86.4	88.7	89.3	90.1	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0
GE 2000	77.8	82.1	85.8	88.2	90.5	91.1	92.0	92.4	92.6	92.8	92.8	92.8	92.9	92.9	92.9	93.0
GE 1800	78.1	82.3	86.1	88.5	90.9	91.5	92.4	92.8	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.4
GE 1500	79.0	83.3	87.2	89.8	92.3	93.0	93.9	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.9	94.9
GE 1200	79.8	84.3	88.3	90.9	93.5	94.3	95.3	95.7	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.3
GE 1000	80.2	84.7	88.8	91.4	94.1	95.1	96.1	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.1
GE 900	80.4	84.9	89.0	91.7	94.5	95.5	96.5	97.0	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.6
GE 800	80.5	85.1	89.3	92.1	95.0	96.0	97.0	97.6	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1
GE 700	80.7	85.2	89.6	92.4	95.4	96.5	97.5	98.1	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.7
GE 600	80.8	85.3	89.8	92.6	95.8	96.8	97.9	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1
GE 500	80.8	85.4	89.8	92.7	95.9	96.9	98.1	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4
GE 400	80.8	85.4	89.8	92.7	95.9	96.9	98.2	98.9	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.6
GE 300	80.8	85.4	89.8	92.7	95.9	96.9	98.2	98.9	99.1	99.3	99.4	99.4	99.5	99.5	99.6	99.7
GE 200	80.8	85.4	89.8	92.7	95.9	97.0	98.2	98.9	99.1	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 100	80.8	85.4	89.8	92.7	95.9	97.0	98.2	98.9	99.1	99.3	99.5	99.5	99.7	99.7	99.7	99.8
GE 000	80.8	85.4	89.8	92.7	95.9	97.0	98.2	98.9	99.1	99.3	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	48.1	49.2	49.8	51.2	51.6	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0
GE 20000	52.0	52.8	54.2	54.7	56.1	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0
GE 18000	52.0	52.8	54.2	54.7	56.1	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0
GE 16000	52.0	52.8	54.2	54.7	56.1	56.6	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0
GE 14000	52.2	52.9	54.3	54.8	56.2	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.1
GE 12000	52.8	53.9	55.3	55.8	57.2	57.6	57.7	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.1
GE 10000	55.5	56.6	58.0	58.5	60.1	60.5	60.6	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.0
GE 9000	56.8	57.8	59.2	59.8	61.4	61.8	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
GE 8000	60.5	61.6	63.1	63.8	65.6	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
GE 7000	62.7	63.9	65.4	66.0	67.8	68.6	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0
GE 6000	64.1	65.5	67.0	67.6	69.5	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6
GE 5000	67.5	69.1	70.8	71.5	73.5	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8
GE 4500	68.9	70.5	72.2	72.9	75.3	76.0	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.6
GE 4000	70.5	72.4	74.3	75.1	77.6	78.4	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 3500	71.1	72.9	75.1	75.9	78.5	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8
GE 3000	72.5	74.4	76.7	77.6	80.2	81.0	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8
GE 2500	73.4	75.4	77.7	78.8	81.5	82.3	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1
GE 2000	75.2	77.2	79.8	81.3	84.1	84.8	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8
GE 1800	75.6	77.7	80.3	81.8	84.6	85.4	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3
GE 1500	77.3	79.7	82.7	84.5	87.5	88.6	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.8
GE 1200	78.5	80.9	83.9	85.7	88.7	89.8	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0
GE 1000	79.4	81.8	84.9	87.1	90.4	91.7	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9
GE 900	79.8	82.3	85.4	87.8	91.2	92.5	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.7
GE 800	80.2	82.7	85.9	88.7	92.2	93.4	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
GE 700	80.3	82.9	86.2	89.1	92.7	94.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7
GE 600	80.3	82.9	86.6	89.6	93.7	95.8	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
GE 500	80.5	83.1	87.0	90.0	94.3	96.5	98.3	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 400	80.5	83.1	87.0	90.0	94.3	96.5	98.5	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 300	80.5	83.1	87.0	90.0	94.3	96.5	98.5	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 200	80.5	83.1	87.0	90.0	94.3	96.5	98.5	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 100	80.5	83.1	87.0	90.0	94.3	96.5	98.5	98.8	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.6
GE 000	80.5	83.1	87.0	90.0	94.3	96.5	98.5	98.8	98.9	99.4	99.4	99.4	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	43.0	44.3	44.8	46.9	48.3	48.8	49.0	49.2	49.8	50.0	50.0	50.0	50.0	50.3	50.4
GE 20000	45.3	46.1	47.5	48.1	50.1	51.5	52.0	52.3	52.5	53.0	53.2	53.2	53.2	53.2	53.5	53.7
GE 18000	45.4	46.2	47.6	48.2	50.2	51.6	52.2	52.4	52.6	53.1	53.3	53.3	53.3	53.3	53.7	53.8
GE 16000	45.4	46.2	47.6	48.2	50.2	51.6	52.2	52.4	52.6	53.1	53.3	53.3	53.3	53.3	53.7	53.8
GE 14000	45.7	46.7	48.1	48.6	50.6	52.0	52.6	52.8	53.0	53.5	53.8	53.8	53.8	53.8	54.1	54.2
GE 12000	46.6	47.6	49.0	49.6	51.6	53.0	53.5	53.8	54.0	54.5	54.7	54.7	54.7	54.7	55.1	55.2
GE 10000	49.0	50.1	51.5	52.0	54.1	55.5	56.1	56.5	56.7	57.2	57.4	57.4	57.4	57.4	57.7	57.8
GE 9000	50.3	51.4	52.8	53.3	55.4	56.8	57.4	57.7	58.0	58.5	58.7	58.7	58.7	58.7	59.0	59.1
GE 8000	54.8	55.9	58.1	58.6	61.2	62.6	63.2	63.5	63.8	64.3	64.5	64.5	64.5	64.5	64.8	64.9
GE 7000	56.8	58.0	60.2	60.8	63.4	64.8	65.5	65.8	66.0	66.6	66.8	66.8	66.8	66.8	67.1	67.2
GE 6000	58.2	59.4	61.6	62.2	64.8	66.2	66.9	67.3	67.5	68.1	68.3	68.3	68.3	68.3	68.6	68.7
GE 5000	61.5	62.7	65.1	65.6	68.3	69.7	70.3	70.8	71.0	71.5	71.7	71.7	71.7	71.7	72.0	72.2
GE 4500	63.4	64.6	67.1	67.7	70.5	71.9	72.6	73.0	73.2	73.8	74.0	74.0	74.0	74.0	74.3	74.4
GE 4000	65.3	66.6	69.1	69.9	73.1	74.7	75.4	75.8	76.0	76.6	76.8	76.8	76.8	76.8	77.1	77.2
GE 3500	66.9	68.2	70.8	71.5	74.9	76.6	77.2	77.6	77.8	78.4	78.6	78.6	78.6	78.6	78.9	79.0
GE 3000	68.0	69.4	71.9	72.7	76.2	77.8	78.8	79.2	79.5	80.0	80.2	80.2	80.2	80.2	80.5	80.6
GE 2500	70.4	72.2	74.8	75.6	79.4	81.0	81.9	82.4	82.6	83.1	83.3	83.3	83.3	83.3	83.7	83.8
GE 2000	71.3	73.2	75.9	76.7	80.5	82.3	83.2	83.7	83.9	84.4	84.6	84.6	84.6	84.6	84.9	85.1
GE 1800	71.5	73.4	76.2	77.0	80.9	82.7	83.7	84.1	84.3	84.8	85.1	85.1	85.1	85.1	85.4	85.5
GE 1500	72.7	74.6	77.4	78.4	82.4	84.3	85.3	85.8	86.1	86.7	86.9	86.9	86.9	86.9	87.2	87.3
GE 1200	74.1	76.0	78.8	79.8	83.8	85.8	86.8	87.3	87.6	88.4	88.6	88.6	88.6	88.6	88.9	89.0
GE 1000	74.7	76.7	79.6	80.5	85.1	87.4	88.4	88.9	89.2	90.0	90.2	90.2	90.2	90.2	90.5	90.6
GE 900	75.3	77.2	80.2	81.2	85.7	88.1	89.0	89.6	89.9	90.6	90.9	90.9	90.9	90.9	91.2	91.3
GE 800	75.9	77.8	80.9	82.0	86.8	89.4	90.4	91.0	91.3	92.2	92.4	92.4	92.4	92.4	92.7	92.8
GE 700	76.5	78.4	81.5	82.9	88.0	90.8	91.9	92.6	92.9	93.8	94.0	94.0	94.0	94.0	94.3	94.4
GE 600	76.5	78.4	81.5	83.1	88.4	91.4	93.0	93.8	94.1	94.9	95.2	95.2	95.2	95.2	95.5	95.6
GE 500	76.7	78.6	81.9	83.7	89.1	92.5	94.3	95.1	95.4	96.3	96.6	96.6	96.6	96.6	96.9	97.0
GE 400	76.7	78.6	82.0	84.0	89.6	92.9	95.2	96.0	96.3	97.4	97.6	97.6	97.6	97.6	98.0	98.1
GE 300	76.7	78.6	82.0	84.0	89.6	92.9	95.2	96.1	96.6	98.1	98.5	98.5	98.5	98.5	98.8	98.9
GE 200	76.7	78.6	82.0	84.0	89.6	92.9	95.2	96.1	96.6	98.1	98.6	98.6	98.6	98.6	98.9	99.0
GE 100	76.7	78.6	82.0	84.0	89.6	92.9	95.2	96.1	96.6	98.1	98.6	98.6	98.8	98.8	99.1	99.2
GE 000	76.7	78.6	82.0	84.0	89.6	92.9	95.2	96.1	96.6	98.1	98.6	98.6	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.9	35.3	37.6	39.7	41.8	42.9	44.0	45.1	45.5	46.5	46.6	46.7	47.2	47.3	47.3	48.0
GE 20000	35.9	37.6	40.2	42.3	44.6	45.7	46.9	48.0	48.4	49.4	49.5	49.6	50.1	50.2	50.2	50.9
GE 18000	36.0	37.7	40.3	42.4	44.7	45.8	47.0	48.1	48.5	49.5	49.6	49.7	50.2	50.3	50.3	51.0
GE 16000	36.0	37.7	40.3	42.4	44.7	45.8	47.0	48.1	48.5	49.5	49.6	49.7	50.2	50.3	50.3	51.0
GE 14000	36.0	37.7	40.3	42.4	44.7	45.8	47.0	48.1	48.5	49.5	49.6	49.7	50.2	50.3	50.3	51.0
GE 12000	36.5	38.3	40.9	43.1	45.5	46.6	47.7	48.8	49.2	50.2	50.3	50.4	51.0	51.1	51.1	51.7
GE 10000	39.8	41.6	44.3	46.6	48.9	50.0	51.2	52.4	53.0	54.0	54.1	54.2	54.7	54.8	54.8	55.5
GE 9000	41.9	43.8	46.7	48.9	51.3	52.4	53.5	54.7	55.4	56.3	56.5	56.6	57.1	57.2	57.2	57.8
GE 8000	45.5	47.5	51.0	53.2	55.7	56.8	58.0	59.1	59.8	60.8	60.9	61.0	61.5	61.6	61.6	62.3
GE 7000	46.5	48.5	51.9	54.6	57.1	58.2	59.4	60.5	61.2	62.2	62.3	62.4	62.9	63.0	63.0	63.7
GE 6000	47.7	49.8	53.2	55.9	58.4	59.5	60.6	61.8	62.5	63.4	63.5	63.7	64.2	64.3	64.3	64.9
GE 5000	51.2	53.3	56.9	59.7	62.2	63.2	64.4	65.6	66.2	67.2	67.4	67.6	68.2	68.3	68.3	68.9
GE 4500	53.4	55.8	59.5	62.3	64.9	66.0	67.4	68.6	69.2	70.2	70.4	70.6	71.2	71.3	71.3	71.9
GE 4000	55.1	57.7	61.6	64.4	67.3	68.6	70.3	71.6	72.3	73.3	73.5	73.8	74.3	74.4	74.4	75.1
GE 3500	55.6	58.3	62.4	65.2	68.1	69.5	71.2	72.5	73.1	74.2	74.4	74.6	75.2	75.3	75.3	75.9
GE 3000	56.7	59.4	63.5	66.5	69.5	70.9	72.6	73.9	74.5	75.6	75.8	76.0	76.6	76.7	76.7	77.3
GE 2500	57.8	61.2	65.6	68.6	71.8	73.2	74.9	76.2	76.9	78.0	78.2	78.4	78.9	79.0	79.0	79.7
GE 2000	60.3	64.0	68.8	72.0	75.7	77.1	78.8	80.2	81.0	82.0	82.3	82.5	83.0	83.1	83.1	83.8
GE 1800	61.0	64.7	69.6	72.8	76.5	78.0	79.7	81.1	81.8	82.9	83.1	83.3	83.9	84.0	84.0	84.6
GE 1500	62.6	66.6	71.8	75.1	78.8	80.5	82.3	83.7	84.4	85.5	85.7	85.9	86.5	86.6	86.6	87.2
GE 1200	63.8	68.0	73.4	76.8	80.8	82.5	84.2	85.7	86.5	87.5	87.7	88.0	88.5	88.6	88.6	89.2
GE 1000	64.3	68.5	74.0	77.4	81.5	83.4	85.2	86.8	87.5	88.6	88.8	89.0	89.6	89.7	89.7	90.3
GE 900	64.7	68.9	74.5	78.2	82.6	84.7	86.8	88.4	89.1	90.2	90.4	90.6	91.2	91.3	91.3	91.9
GE 800	65.3	69.6	75.4	79.0	83.8	85.9	88.1	89.7	90.4	91.5	91.7	91.9	92.5	92.6	92.6	93.2
GE 700	65.3	69.7	75.7	79.4	84.4	86.6	89.0	90.6	91.4	92.5	92.7	92.9	93.4	93.5	93.5	94.2
GE 600	65.3	69.8	75.9	80.0	85.2	87.4	89.9	91.6	92.4	93.4	93.7	93.9	94.4	94.5	94.5	95.2
GE 500	65.3	69.8	76.1	80.3	85.7	88.2	90.9	92.7	93.7	94.7	94.9	95.2	95.7	95.8	95.8	96.5
GE 400	65.4	69.9	76.3	80.8	86.1	88.9	91.7	93.5	94.5	95.9	96.1	96.3	96.9	97.0	97.0	97.6
GE 300	65.4	69.9	76.3	80.8	86.1	89.0	91.9	94.0	94.9	96.5	96.7	96.9	97.6	97.7	97.7	98.4
GE 200	65.4	69.9	76.3	80.8	86.1	89.0	91.9	94.0	94.9	96.6	96.9	97.1	98.0	98.1	98.1	98.7
GE 100	65.4	69.9	76.3	80.8	86.1	89.0	91.9	94.1	95.1	96.7	97.0	97.2	98.2	98.5	98.8	99.5
GE 000	65.4	69.9	76.3	80.8	86.1	89.0	91.9	94.1	95.1	96.7	97.0	97.2	98.2	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
UAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	40.6	42.6	44.9	46.7	47.0	47.5	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	43.0	45.5	47.4	49.8	51.6	51.9	52.5	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	43.3	45.8	47.7	50.1	51.9	52.3	52.8	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 16000	43.3	45.8	47.7	50.1	51.9	52.3	52.8	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 14000	43.5	46.0	48.0	50.3	52.2	52.5	53.0	53.1	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	44.1	46.6	48.7	51.1	52.9	53.2	53.8	53.9	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	47.0	49.5	51.8	54.2	56.2	56.6	57.1	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	48.2	50.9	53.3	55.7	57.7	58.1	58.6	58.7	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	50.4	53.3	56.0	58.5	60.5	60.9	61.4	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	52.0	55.2	57.8	60.3	62.4	62.7	63.2	63.3	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
GE 6000	52.9	56.0	58.8	61.3	63.3	63.7	64.2	64.3	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	55.1	58.3	61.5	64.0	66.6	66.9	67.7	67.8	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2
GE 4500	55.6	58.8	62.3	64.7	67.3	67.6	68.5	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000	57.7	61.2	64.7	67.3	70.0	70.4	71.4	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
GE 3500	59.5	62.9	66.6	69.1	71.8	72.3	73.2	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
GE 3000	61.9	65.4	69.2	71.8	74.5	74.9	75.9	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6
GE 2500	64.0	67.4	71.5	74.1	76.9	77.3	78.3	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
GE 2000	65.9	69.5	73.8	76.6	79.7	80.1	81.1	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	66.9	70.4	74.8	77.6	80.8	81.2	82.2	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 1500	68.0	71.8	76.6	79.5	82.9	83.4	84.4	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	69.5	73.7	78.5	81.7	85.5	86.1	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 1000	70.4	75.1	80.0	83.3	87.3	88.1	89.1	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
GE 900	70.4	75.2	80.2	83.5	87.7	88.5	89.7	90.0	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4
GE 800	71.4	76.3	82.0	85.9	90.4	91.3	92.5	92.8	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 700	71.5	76.7	82.8	86.9	92.2	93.1	94.5	94.8	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	71.6	76.8	83.0	87.2	92.7	94.1	95.8	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	71.6	76.8	83.0	87.2	93.1	94.5	96.7	97.3	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	71.6	76.8	83.1	87.4	93.3	94.8	97.0	97.7	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	71.6	76.8	83.1	87.4	93.5	95.1	97.3	98.2	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	71.6	76.8	83.1	87.4	93.5	95.1	97.3	98.2	98.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7
GE 100	71.6	76.8	83.1	87.4	93.5	95.1	97.3	98.2	98.8	99.2	99.6	99.6	99.7	99.7	99.8	100.0
GE 000	71.6	76.8	83.1	87.4	93.5	95.1	97.3	98.2	98.8	99.2	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.5	45.4	46.2	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 20000	50.6	52.6	54.0	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	50.4	52.7	54.1	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000	50.8	52.7	54.1	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	50.9	52.8	54.2	54.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	51.2	53.1	54.5	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 10000	54.3	56.2	57.6	58.2	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	54.3	56.9	58.3	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	57.7	60.0	61.5	62.0	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	58.7	61.0	62.5	63.0	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	59.2	61.5	63.0	63.5	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	61.5	63.9	65.6	66.1	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	62.2	64.5	66.2	66.8	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4000	63.3	66.9	68.8	69.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	67.1	69.9	71.8	72.5	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	71.1	73.7	75.6	76.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2500	74.3	77.7	79.8	80.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2000	77.7	80.5	82.8	83.5	84.7	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	78.7	81.5	83.8	84.5	85.7	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	79.4	82.7	85.1	85.8	87.2	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	81.4	85.3	88.4	89.8	91.5	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	84.7	86.7	90.0	91.4	93.3	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	84.1	87.3	90.6	92.6	94.8	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	84.7	87.8	91.3	93.8	96.1	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	85.8	88.0	91.5	94.0	96.6	97.3	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	84.1	88.3	91.8	94.6	97.5	98.3	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.1	88.3	91.8	94.7	97.8	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.7	44.7	45.7	46.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	51.5	52.6	53.5	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	51.5	52.6	53.5	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	51.5	52.6	53.5	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	51.9	53.0	54.0	54.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 12000	52.7	53.8	54.7	55.1	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000	55.3	56.6	57.5	57.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 9000	56.0	57.3	58.3	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 8000	59.4	61.1	62.4	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 7000	60.5	62.3	63.5	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	62.3	64.0	65.3	65.7	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 5000	64.7	66.7	68.2	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4500	66.6	68.5	70.0	70.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4000	70.3	72.3	74.2	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3500	73.5	75.5	77.4	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3000	76.5	78.4	80.3	81.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2500	78.2	80.3	82.5	83.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	81.4	83.7	85.9	87.4	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1800	81.7	84.2	86.5	88.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	82.4	84.8	87.2	89.0	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1200	83.2	86.1	88.7	90.8	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	83.9	86.8	89.7	92.5	95.2	95.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	84.2	87.2	90.2	93.2	96.1	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	84.6	87.7	91.0	94.0	97.0	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	84.9	88.2	91.4	94.4	97.4	97.7	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	85.1	88.3	91.5	94.5	97.5	97.8	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	85.1	88.3	91.5	94.8	97.8	98.2	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	85.1	88.3	91.5	94.8	97.8	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.1	88.3	91.5	94.8	97.8	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.1	88.3	91.5	94.8	97.8	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.1	88.3	91.5	94.8	97.8	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.1	88.3	91.5	94.8	97.8	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	48.5	49.0	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	54.0	54.6	55.2	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 18000	54.3	54.9	55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	54.3	54.9	55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	54.5	55.2	55.7	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	56.0	56.7	57.2	57.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 10000	58.1	58.7	59.2	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	58.9	59.6	60.1	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 8000	63.2	64.1	64.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	65.4	66.3	67.0	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000	66.8	67.7	68.4	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	69.4	70.3	71.1	72.5	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	72.2	73.2	74.0	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	74.7	76.0	76.9	78.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	77.4	78.7	79.6	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	78.8	80.1	81.2	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	82.0	83.3	84.5	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	83.4	84.9	86.1	87.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1800	84.1	85.6	86.8	88.3	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1500	85.8	87.4	88.6	90.2	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	86.2	88.1	89.7	91.6	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	87.1	89.0	91.1	93.0	95.1	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	87.2	89.1	91.3	93.2	95.3	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	88.1	90.0	92.3	94.6	97.1	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	88.3	90.2	92.5	95.1	97.8	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.4	90.3	92.6	95.6	98.6	99.1	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.9	53.8	54.5	54.7	55.2	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 20000	57.6	58.6	59.7	60.1	60.5	60.9	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 18000	57.7	58.7	59.8	60.2	60.6	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	57.7	58.7	59.8	60.2	60.6	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	57.8	58.8	59.9	60.3	60.8	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 12000	58.5	59.5	60.5	61.0	61.4	61.7	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	60.4	61.4	62.5	62.9	63.3	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	61.4	62.4	63.4	63.9	64.3	64.6	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000	65.6	66.7	68.0	68.5	69.0	69.5	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	67.0	68.2	69.5	70.1	70.6	71.1	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	68.9	70.1	71.4	72.0	72.6	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 5000	71.8	73.1	74.5	75.6	76.6	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4500	74.1	75.5	76.9	78.1	79.1	79.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4000	75.9	77.5	78.9	80.2	81.3	81.9	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	77.0	78.6	80.0	81.3	82.4	83.0	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3000	78.0	79.6	81.4	82.8	84.0	84.6	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	80.0	81.9	84.1	85.5	86.7	87.3	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	81.5	83.5	85.7	87.1	88.3	88.9	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	81.7	83.8	85.9	87.4	88.6	89.2	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1500	83.5	85.8	88.0	89.7	91.0	91.9	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	84.2	86.5	89.4	91.1	92.4	93.5	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	85.1	87.4	90.4	92.3	93.7	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	85.1	87.5	90.8	92.8	94.2	95.4	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	85.4	88.1	91.6	93.8	95.5	96.8	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	85.4	88.1	91.6	93.8	95.5	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	85.7	88.5	92.5	94.8	96.8	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	85.9	88.7	92.7	95.1	97.0	98.4	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	85.9	88.7	92.7	95.2	97.1	98.5	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.9	88.7	92.7	95.2	97.1	98.5	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.9	88.7	92.7	95.2	97.1	98.5	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.9	88.7	92.7	95.2	97.1	98.5	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.9	88.7	92.7	95.2	97.1	98.5	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.7	44.9	46.2	47.0	48.2	48.6	48.9	49.1	49.2	49.4	49.5	49.5	49.6	49.6	49.6	49.7
GE 20000	48.8	50.1	51.5	52.4	53.6	54.1	54.4	54.6	54.7	54.9	55.0	55.0	55.1	55.1	55.1	55.2
GE 18000	48.9	50.2	51.6	52.5	53.7	54.2	54.5	54.8	54.9	55.1	55.1	55.1	55.2	55.2	55.3	55.4
GE 16000	48.9	50.2	51.6	52.5	53.7	54.2	54.5	54.8	54.9	55.1	55.1	55.1	55.2	55.2	55.3	55.4
GE 14000	49.1	50.4	51.8	52.7	53.9	54.4	54.7	55.0	55.1	55.3	55.3	55.3	55.4	55.4	55.5	55.6
GE 12000	49.8	51.2	52.6	53.6	54.8	55.2	55.6	55.8	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.4
GE 10000	52.4	53.8	55.3	56.3	57.6	58.0	58.4	58.6	58.8	59.0	59.0	59.0	59.1	59.1	59.1	59.2
GE 9000	53.6	55.0	56.5	57.5	58.8	59.2	59.6	59.8	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.5
GE 8000	57.2	58.8	60.6	61.6	63.1	63.6	64.0	64.2	64.4	64.6	64.6	64.6	64.7	64.7	64.8	64.9
GE 7000	58.7	60.4	62.2	63.3	64.8	65.4	65.7	66.0	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.6
GE 6000	60.0	61.7	63.6	64.7	66.2	66.7	67.1	67.3	67.5	67.7	67.7	67.7	67.8	67.8	67.9	68.0
GE 5000	62.8	64.7	66.7	68.0	69.6	70.2	70.6	70.8	71.0	71.2	71.3	71.3	71.3	71.4	71.4	71.5
GE 4500	64.5	66.4	68.5	69.8	71.6	72.1	72.5	72.8	72.9	73.1	73.2	73.2	73.3	73.3	73.4	73.5
GE 4000	66.7	68.8	71.1	72.4	74.4	75.0	75.5	75.8	75.9	76.1	76.2	76.2	76.3	76.3	76.4	76.5
GE 3500	68.5	70.6	72.9	74.3	76.3	77.0	77.5	77.8	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.5
GE 3000	70.4	72.5	75.0	76.5	78.5	79.1	79.7	80.0	80.2	80.4	80.4	80.5	80.5	80.6	80.6	80.7
GE 2500	72.6	74.9	77.6	79.1	81.2	81.9	82.4	82.8	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.4
GE 2000	74.6	77.1	79.9	81.5	83.9	84.6	85.2	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.2
GE 1800	75.1	77.7	80.5	82.2	84.5	85.3	85.9	86.2	86.4	86.6	86.7	86.7	86.8	86.8	86.8	86.9
GE 1500	76.5	79.2	82.2	84.0	86.5	87.4	88.1	88.5	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.2
GE 1200	77.6	80.6	83.8	85.9	88.6	89.6	90.3	90.7	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.4
GE 1000	78.4	81.5	85.0	87.2	90.2	91.3	92.0	92.4	92.6	92.9	92.9	93.0	93.0	93.1	93.1	93.2
GE 900	78.7	81.8	85.4	87.8	91.0	92.1	92.9	93.3	93.5	93.7	93.8	93.8	93.9	93.9	94.0	94.1
GE 800	79.3	82.5	86.3	89.0	92.4	93.6	94.4	94.9	95.1	95.4	95.4	95.5	95.5	95.6	95.6	95.7
GE 700	79.5	82.8	86.7	89.4	93.1	94.4	95.4	95.9	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.7
GE 600	79.6	82.9	86.9	89.9	93.8	95.3	96.5	97.0	97.2	97.5	97.6	97.6	97.7	97.7	97.8	97.9
GE 500	79.7	83.0	87.1	90.2	94.2	95.8	97.2	97.8	98.0	98.4	98.5	98.5	98.6	98.6	98.6	98.8
GE 400	79.7	83.0	87.1	90.3	94.3	96.0	97.5	98.1	98.4	98.9	99.0	99.0	99.1	99.1	99.1	99.2
GE 300	79.7	83.0	87.1	90.3	94.4	96.0	97.5	98.3	98.6	99.1	99.2	99.3	99.4	99.4	99.4	99.5
GE 200	79.7	83.0	87.1	90.3	94.4	96.0	97.5	98.3	98.6	99.1	99.3	99.3	99.4	99.5	99.5	99.6
GE 100	79.7	83.0	87.1	90.3	94.4	96.0	97.5	98.3	98.6	99.2	99.3	99.3	99.5	99.6	99.7	99.8
GE 000	79.7	83.0	87.1	90.3	94.4	96.0	97.5	98.3	98.6	99.2	99.3	99.3	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.9	37.3	38.3	39.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.9	39.9	39.9	40.0
GE 20000	40.8	41.4	42.4	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.1
GE 18000	40.8	41.4	42.4	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.1
GE 16000	40.8	41.4	42.4	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.1
GE 14000	41.1	41.8	42.8	43.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.3	44.3	44.3	44.4
GE 12000	42.2	42.9	43.9	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.4	45.4	45.4	45.6
GE 10000	45.4	46.4	47.4	48.1	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.1
GE 9000	46.4	47.4	48.4	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.0	50.1
GE 8000	50.8	52.0	53.0	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.6	54.6	54.6	54.7
GE 7000	52.9	54.1	55.2	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.8	56.8	56.8	56.9
GE 6000	53.3	54.6	55.7	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.3
GE 5000	56.4	58.1	59.2	59.9	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	61.0	61.0	61.0	61.1
GE 4500	58.2	59.9	61.0	61.7	62.4	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.9
GE 4000	60.9	62.7	63.9	64.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.4
GE 3500	63.4	65.2	66.4	67.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.1
GE 3000	65.4	67.6	68.9	70.3	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.9
GE 2500	69.8	71.9	73.6	75.0	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.6
GE 2000	73.4	75.6	77.3	78.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.4
GE 1800	74.0	76.1	78.1	79.7	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.2
GE 1500	76.6	78.7	80.8	82.7	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.4
GE 1200	78.4	80.8	83.7	85.7	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.6	87.6	87.6	87.7
GE 1000	80.3	82.8	86.0	88.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.6	90.6	90.6	90.7
GE 900	81.3	83.8	87.0	89.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.7
GE 800	82.0	84.8	88.6	91.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.7	93.7	93.7	93.8
GE 700	82.6	85.3	89.1	91.9	94.2	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.9	94.9	94.9	95.0
GE 600	83.0	85.8	90.1	93.2	95.7	96.0	96.1	96.4	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.1
GE 500	83.1	85.9	90.4	93.9	96.7	97.0	97.1	97.4	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.1
GE 400	83.1	85.9	90.4	93.9	96.8	97.2	97.6	97.9	98.2	98.3	98.3	98.3	98.6	98.6	98.6	98.7
GE 300	83.1	85.9	90.4	93.9	96.9	97.3	98.0	98.3	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.1
GE 200	83.1	85.9	90.4	93.9	96.9	97.3	98.1	98.6	98.9	99.0	99.1	99.1	99.4	99.4	99.4	99.6
GE 100	83.1	85.9	90.4	93.9	96.9	97.3	98.1	98.6	98.9	99.0	99.1	99.1	99.6	99.6	99.6	99.9
GE 000	83.1	85.9	90.4	93.9	96.9	97.3	98.1	98.6	98.9	99.0	99.1	99.1	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.7	34.9	36.2	37.0	38.8	39.2	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000	38.6	38.9	40.2	41.0	42.8	43.2	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 18000	38.6	38.9	40.2	41.0	42.8	43.2	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 16000	38.6	38.9	40.2	41.0	42.8	43.2	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 14000	38.6	38.9	40.2	41.0	42.8	43.2	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 12000	39.4	39.8	41.1	41.9	43.7	44.1	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 10000	42.1	42.7	44.0	44.8	46.6	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 9000	42.3	43.0	44.3	45.1	46.9	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 8000	46.4	47.1	48.6	49.6	51.3	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 7000	49.0	49.8	51.3	52.4	54.2	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 6000	49.4	50.2	51.8	52.9	54.7	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 5000	51.6	52.3	53.9	55.0	56.9	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 4500	54.4	55.2	56.9	58.0	59.9	60.3	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4000	57.8	58.7	60.4	61.7	63.8	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 3500	60.6	61.6	63.3	64.6	66.7	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 3000	63.3	64.3	66.3	67.6	69.8	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 2500	66.0	67.2	69.3	70.6	72.9	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 2000	69.2	71.2	73.4	74.8	77.7	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 1800	70.2	72.3	74.8	76.1	79.0	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 1500	72.7	75.0	77.7	79.0	82.2	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1200	74.4	77.3	80.2	82.2	85.7	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	75.9	79.2	82.4	85.0	88.6	89.2	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 900	76.8	80.3	83.8	86.4	90.0	90.7	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.8	91.8
GE 800	77.6	81.1	84.8	88.0	91.9	92.6	93.3	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.7	93.7
GE 700	77.9	81.7	85.3	88.6	92.6	93.2	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.3	94.3
GE 600	78.1	82.1	86.0	89.3	93.7	94.4	95.2	95.6	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0
GE 500	78.3	82.6	86.6	90.3	94.9	95.8	96.6	97.0	97.2	97.2	97.3	97.3	97.6	97.6	97.7	97.7
GE 400	78.3	82.6	86.6	90.3	95.0	96.3	97.3	97.8	98.1	98.3	98.4	98.4	98.7	98.7	98.8	98.8
GE 300	78.6	82.8	86.8	90.6	95.3	96.8	97.9	98.3	98.7	98.9	99.0	99.0	99.2	99.2	99.3	99.3
GE 200	78.6	82.8	86.8	90.6	95.3	96.8	98.1	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.7	99.7
GE 100	78.6	82.8	86.8	90.6	95.3	96.8	98.1	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.8	99.8
GE 000	78.6	82.8	86.8	90.6	95.3	96.8	98.1	98.6	98.9	99.1	99.3	99.3	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.3	31.6	33.9	35.2	37.7	38.0	38.1	38.4	38.4	38.7	38.9	38.9	39.1	39.1	39.1	39.3
GE 20000	33.1	34.3	36.8	38.3	40.8	41.1	41.2	41.7	41.7	41.9	42.1	42.1	42.3	42.3	42.3	42.6
GE 18000	33.1	34.3	36.8	38.3	40.8	41.1	41.2	41.7	41.7	41.9	42.1	42.1	42.3	42.3	42.3	42.6
GE 16000	33.1	34.3	36.8	38.3	40.8	41.1	41.2	41.7	41.7	41.9	42.1	42.1	42.3	42.3	42.3	42.6
GE 14000	33.2	34.4	36.9	38.4	40.9	41.2	41.3	41.8	41.8	42.0	42.2	42.2	42.4	42.4	42.4	42.7
GE 12000	34.1	35.4	37.9	39.4	41.9	42.2	42.3	42.8	42.8	43.0	43.2	43.2	43.4	43.4	43.4	43.7
GE 10000	36.3	37.7	40.2	42.0	44.4	44.8	44.9	45.3	45.3	45.6	45.8	45.8	46.0	46.0	46.0	46.2
GE 9000	36.7	38.2	40.8	42.6	45.0	45.3	45.4	45.9	45.9	46.1	46.3	46.3	46.6	46.6	46.6	46.8
GE 8000	39.1	40.9	43.7	45.6	48.0	48.3	48.4	48.9	48.9	49.1	49.3	49.3	49.6	49.6	49.6	49.8
GE 7000	40.8	42.7	45.6	47.4	49.9	50.2	50.3	50.8	50.8	51.0	51.2	51.2	51.4	51.4	51.4	51.7
GE 6000	41.7	43.6	46.4	48.3	50.8	51.1	51.2	51.7	51.7	51.9	52.1	52.1	52.3	52.3	52.3	52.6
GE 5000	43.7	45.8	48.7	50.6	53.0	53.3	53.4	53.9	53.9	54.1	54.3	54.3	54.6	54.6	54.6	54.8
GE 4500	46.0	48.2	51.1	53.0	55.4	55.8	55.9	56.3	56.3	56.6	56.8	56.8	57.0	57.0	57.0	57.2
GE 4000	49.0	51.3	54.9	56.8	59.3	59.7	59.8	60.2	60.2	60.4	60.7	60.7	60.9	60.9	60.9	61.1
GE 3500	51.2	53.8	57.7	59.8	62.3	62.7	62.8	63.2	63.2	63.4	63.7	63.7	63.9	63.9	63.9	64.1
GE 3000	54.7	57.3	61.3	63.7	66.2	66.7	66.8	67.2	67.2	67.4	67.7	67.7	67.9	67.9	67.9	68.1
GE 2500	58.3	61.2	65.2	67.6	70.2	70.7	70.8	71.2	71.2	71.4	71.7	71.7	71.9	71.9	71.9	72.1
GE 2000	60.7	63.7	68.1	70.7	73.4	74.1	74.4	75.0	75.0	75.2	75.4	75.4	75.7	75.7	75.7	75.9
GE 1800	61.7	64.7	69.1	71.7	74.6	75.3	75.7	76.2	76.2	76.4	76.7	76.7	76.9	76.9	76.9	77.1
GE 1500	64.2	67.2	72.0	74.7	77.7	78.8	79.1	79.7	79.7	79.9	80.1	80.1	80.3	80.3	80.3	80.6
GE 1200	67.4	70.6	75.4	78.7	81.9	83.1	83.6	84.1	84.1	84.3	84.6	84.6	84.8	84.8	84.8	85.0
GE 1000	69.1	72.7	78.0	81.7	85.1	86.4	87.0	87.7	87.7	87.9	88.1	88.1	88.3	88.3	88.3	88.6
GE 900	69.8	73.3	78.9	82.8	86.4	87.9	88.4	89.2	89.2	89.4	89.9	89.9	90.1	90.1	90.1	90.3
GE 800	70.3	74.4	80.3	84.7	89.0	90.4	91.0	91.9	91.9	92.1	92.6	92.6	92.8	92.8	92.8	93.0
GE 700	70.3	74.6	80.9	85.6	90.0	91.6	92.2	93.2	93.2	93.4	93.9	93.9	94.1	94.1	94.1	94.3
GE 600	70.6	74.9	81.6	86.4	91.3	92.9	93.6	94.6	94.7	94.9	95.3	95.3	95.6	95.6	95.6	95.8
GE 500	70.9	75.2	82.1	87.2	92.3	94.0	94.7	95.7	95.9	96.4	96.9	96.9	97.1	97.1	97.1	97.3
GE 400	70.9	75.2	82.1	87.3	92.4	94.4	95.4	96.4	96.9	97.8	98.2	98.2	98.4	98.4	98.4	98.7
GE 300	70.9	75.2	82.1	87.3	92.4	94.4	95.7	96.7	97.1	98.0	98.4	98.4	98.7	98.7	98.7	98.9
GE 200	70.9	75.2	82.1	87.3	92.7	94.7	95.9	97.1	97.6	98.8	99.2	99.2	99.4	99.4	99.4	99.8
GE 100	70.9	75.2	82.1	87.3	92.7	94.7	95.9	97.1	97.6	98.8	99.2	99.2	99.4	99.4	99.4	99.8
GE 000	70.9	75.2	82.1	87.3	92.7	94.7	95.9	97.1	97.6	98.8	99.2	99.2	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.0	31.3	32.9	33.4	34.6	34.8	35.0	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.7
GE 20000	34.6	36.2	38.1	38.7	40.0	40.2	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.1
GE 18000	34.9	36.7	38.6	39.1	40.4	40.7	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.6
GE 16000	34.9	36.7	38.6	39.1	40.4	40.7	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.6
GE 14000	34.9	36.7	38.6	39.1	40.4	40.7	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.6
GE 12000	36.2	38.1	40.0	40.7	42.0	42.2	42.4	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.1
GE 10000	38.0	40.1	42.0	43.1	44.4	44.7	44.9	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.6
GE 9000	39.0	41.1	43.0	44.1	45.4	45.7	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.6
GE 8000	39.9	42.3	44.6	45.7	47.0	47.2	47.4	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1
GE 7000	41.4	44.0	46.2	47.3	48.7	48.9	49.1	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8
GE 6000	42.3	45.0	47.2	48.3	49.7	49.9	50.1	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.8
GE 5000	44.1	47.0	49.2	50.3	51.7	51.9	52.1	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.8
GE 4500	46.0	49.1	51.3	52.6	53.9	54.1	54.3	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0
GE 4000	48.6	51.7	53.9	55.2	56.7	57.0	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0
GE 3500	50.2	53.3	55.7	57.0	58.6	58.9	59.2	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	60.0
GE 3000	54.1	57.3	59.7	61.2	63.0	63.3	63.8	64.0	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.8
GE 2500	57.9	61.1	63.6	65.1	66.9	67.2	68.0	68.2	68.4	68.8	68.8	68.8	68.9	68.9	68.9	69.1
GE 2000	61.8	65.0	68.0	69.6	71.3	71.7	72.9	73.2	73.4	73.8	73.8	73.8	73.9	73.9	73.9	74.1
GE 1800	62.8	66.0	69.2	70.8	72.6	72.9	74.1	74.4	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.3
GE 1500	64.6	67.8	71.0	72.9	75.2	75.8	77.0	77.3	77.6	77.9	77.9	77.9	78.0	78.0	78.0	78.2
GE 1200	68.1	72.0	75.6	77.7	80.4	81.0	82.4	82.8	83.0	83.3	83.3	83.3	83.4	83.4	83.4	83.7
GE 1000	69.9	74.1	78.4	81.4	84.6	85.1	86.8	87.3	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.2
GE 900	70.8	75.1	79.9	83.2	86.6	87.2	88.9	89.6	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.4
GE 800	71.2	76.0	81.2	84.9	88.9	89.7	91.3	92.0	92.2	92.7	92.7	92.7	92.8	92.8	92.8	93.0
GE 700	71.4	76.6	82.0	86.2	90.7	91.4	93.2	93.9	94.1	94.8	94.8	94.8	95.0	95.0	95.0	95.2
GE 600	71.7	76.8	82.4	86.8	92.1	93.2	95.0	95.9	96.1	96.8	96.8	96.8	97.0	97.0	97.0	97.2
GE 500	71.8	76.9	82.6	87.6	93.4	94.8	96.6	97.4	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.9
GE 400	71.8	76.9	82.6	87.6	93.6	95.0	96.8	97.8	98.0	98.7	98.7	98.7	99.0	99.0	99.0	99.2
GE 300	71.8	76.9	82.6	87.6	93.6	95.1	96.9	97.9	98.1	98.8	98.8	98.9	99.2	99.2	99.2	99.4
GE 200	71.8	76.9	82.6	87.6	93.6	95.1	96.9	97.9	98.1	98.8	98.8	98.9	99.3	99.3	99.3	99.8
GE 100	71.8	76.9	82.6	87.6	93.6	95.1	96.9	97.9	98.1	98.8	98.8	99.0	99.4	99.4	99.4	99.9
GE 000	71.8	76.9	82.6	87.6	93.6	95.1	96.9	97.9	98.1	98.8	99.0	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.9	34.0	34.4	34.6	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	38.8	39.9	40.4	40.6	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 18000	39.1	40.3	40.9	41.0	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	39.1	40.3	40.9	41.0	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	39.7	40.9	41.4	41.6	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 12000	40.8	42.2	42.8	42.9	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 10000	43.6	45.1	45.7	45.8	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	44.3	45.9	46.4	46.6	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 8000	45.7	47.3	47.9	48.0	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 7000	46.0	47.7	48.2	48.3	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 6000	46.3	48.0	48.6	48.7	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 5000	48.9	50.6	51.1	51.2	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 4500	49.9	51.7	52.2	52.3	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 4000	51.8	53.7	54.2	54.3	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 3500	56.0	57.9	58.6	58.7	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 3000	60.4	62.6	63.6	63.9	64.4	64.4	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 2500	66.2	68.3	69.6	70.0	70.8	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 2000	70.6	72.7	74.0	74.7	75.7	75.7	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1800	71.3	73.7	75.0	75.8	76.8	76.8	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 1500	73.7	76.7	78.4	79.4	80.8	80.8	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1200	77.1	80.7	83.2	84.6	86.1	86.1	86.4	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1000	79.0	83.4	86.7	88.2	90.2	90.2	90.7	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 900	79.7	84.3	87.8	90.1	92.4	92.6	93.0	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	80.2	85.3	89.0	91.8	94.1	94.4	95.1	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	80.4	85.6	89.7	92.4	94.9	95.4	96.1	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	80.9	86.0	90.1	93.0	95.7	96.2	97.1	97.9	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 500	80.9	86.0	90.1	93.0	96.1	96.7	97.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3
GE 400	80.9	86.0	90.1	93.0	96.4	97.0	97.9	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.9	99.9
GE 300	80.9	86.0	90.1	93.0	96.4	97.0	97.9	99.0	99.2	99.4	99.6	99.6	99.7	99.7	100.0	100.0
GE 200	80.9	86.0	90.1	93.0	96.4	97.0	97.9	99.0	99.2	99.4	99.6	99.6	99.7	99.7	100.0	100.0
GE 100	80.9	86.0	90.1	93.0	96.4	97.0	97.9	99.0	99.2	99.4	99.6	99.6	99.7	99.7	100.0	100.0
GE 000	80.9	86.0	90.1	93.0	96.4	97.0	97.9	99.0	99.2	99.4	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.9	33.1	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 20000	37.1	38.7	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 18000	37.4	39.0	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 16000	37.7	39.2	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	38.0	39.6	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 12000	39.6	41.3	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 10000	43.3	45.3	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	44.1	46.1	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 8000	47.6	49.8	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 7000	48.8	51.0	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 6000	49.0	51.2	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 5000	51.7	54.0	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 4500	53.1	55.4	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4000	55.7	58.0	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3500	59.2	61.6	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3000	64.8	67.2	67.9	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 2500	71.3	74.1	74.9	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2000	75.4	78.8	79.7	80.6	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1800	76.7	80.0	80.9	81.8	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1500	79.1	82.6	83.7	84.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1200	81.7	85.8	87.2	88.6	90.3	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	82.9	87.1	88.8	90.3	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 900	83.1	87.7	89.8	91.8	94.0	94.2	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	83.7	88.3	90.6	92.8	95.2	95.4	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	83.9	88.9	91.2	93.4	96.0	96.2	96.8	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	84.1	89.1	91.4	93.7	96.4	96.7	97.9	98.2	98.2	98.6	98.7	98.7	98.8	98.8	98.8	98.8
GE 500	84.2	89.2	91.6	93.8	96.6	96.9	98.1	98.6	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1
GE 400	84.2	89.2	91.7	93.9	96.7	97.0	98.2	98.8	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4
GE 300	84.2	89.2	91.7	93.9	96.7	97.0	98.2	98.8	98.8	99.4	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	84.2	89.2	91.7	93.9	96.7	97.0	98.2	98.8	98.8	99.4	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	84.2	89.2	91.7	93.9	96.7	97.0	98.2	98.8	98.8	99.4	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	84.2	89.2	91.7	93.9	96.7	97.0	98.2	98.8	98.8	99.4	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.0	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 20000	39.6	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	39.9	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 16000	39.9	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 14000	40.2	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 12000	41.9	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	45.8	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 9000	47.4	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 8000	50.8	52.4	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 7000	52.4	54.2	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 6000	52.6	54.3	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 5000	55.8	57.6	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 4500	56.9	58.7	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4000	60.0	61.8	62.1	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 3500	63.3	65.3	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 3000	66.8	68.8	69.2	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 2500	72.2	74.4	75.1	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 2000	77.7	80.1	80.9	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	78.3	80.8	81.6	82.4	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500	81.7	84.3	85.2	86.2	86.4	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1200	83.0	86.1	87.0	88.3	88.7	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	84.4	87.7	89.1	90.4	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 900	84.9	88.1	90.0	91.4	92.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 800	86.0	89.3	91.7	93.3	94.7	95.6	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 700	86.6	89.9	92.3	94.1	95.7	96.6	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	86.7	90.0	92.7	94.6	96.1	97.2	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	86.8	90.1	92.8	94.7	96.3	97.6	98.0	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	86.8	90.1	92.8	94.7	96.3	97.6	98.2	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	86.8	90.1	92.8	94.7	96.3	97.6	98.3	98.4	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	86.8	90.1	92.9	94.8	96.4	97.7	98.4	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.8	90.1	92.9	94.8	96.4	97.7	98.4	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.8	90.1	92.9	94.8	96.4	97.7	98.4	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.2	35.0	35.4	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 20000	39.6	40.3	40.8	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	39.9	40.7	41.1	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	39.9	40.7	41.1	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	40.1	40.9	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 12000	41.4	42.2	42.7	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 10000	45.3	46.6	47.0	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 9000	47.3	48.6	49.0	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 8000	50.8	52.0	52.7	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 7000	51.9	53.1	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 6000	52.3	53.6	54.2	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 5000	56.1	57.9	58.8	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 4500	57.7	59.4	60.6	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000	61.1	63.0	64.1	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 3500	63.0	64.9	66.1	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 3000	66.4	68.6	70.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2500	71.6	73.7	75.2	76.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 2000	74.9	77.0	79.0	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 1800	75.9	78.0	80.0	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1500	78.6	80.8	83.3	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1200	80.3	82.7	85.6	86.9	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	81.7	84.3	87.9	89.3	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 900	82.7	85.3	89.3	90.9	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 800	83.4	86.4	90.7	92.6	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	84.1	87.1	91.4	93.6	94.8	95.0	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 600	84.1	87.2	91.9	94.1	95.8	96.3	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	84.3	87.7	92.4	94.7	96.6	97.1	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	84.3	87.8	92.6	94.9	96.9	97.6	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	84.3	87.8	92.6	94.9	96.9	97.6	98.6	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	84.3	87.8	92.6	94.9	96.9	97.7	98.7	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.8	99.8
GE 100	84.3	87.8	92.6	94.9	96.9	97.7	98.7	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.9	100.0
GE 000	84.3	87.8	92.6	94.9	96.9	97.7	98.7	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.2	34.1	35.0	35.6	36.4	36.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.9
GE 20000	37.8	38.8	39.8	40.4	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.8
GE 18000	38.0	39.0	40.0	40.6	41.5	41.6	41.7	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	42.0
GE 16000	38.0	39.1	40.1	40.6	41.5	41.6	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	42.0
GE 14000	38.2	39.3	40.3	40.9	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.3
GE 12000	39.5	40.6	41.6	42.2	43.1	43.2	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6
GE 10000	42.5	43.9	44.9	45.6	46.5	46.6	46.7	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	47.0
GE 9000	43.5	44.9	45.9	46.6	47.5	47.6	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	48.0
GE 8000	46.4	48.0	49.1	49.9	50.8	50.9	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.3
GE 7000	47.9	49.6	50.8	51.6	52.4	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9
GE 6000	48.4	50.1	51.2	52.1	52.9	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4
GE 5000	51.0	52.9	54.1	55.0	55.8	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.4
GE 4500	52.8	54.7	56.0	56.8	57.7	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.3
GE 4000	55.6	57.6	59.0	59.9	60.9	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.5
GE 3500	58.4	60.4	61.9	62.9	63.9	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5
GE 3000	62.0	64.2	65.9	67.0	68.2	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8
GE 2500	66.7	69.0	70.8	72.0	73.2	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	74.0
GE 2000	70.5	73.0	75.1	76.4	77.8	78.0	78.3	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.7
GE 1800	71.4	73.9	76.1	77.4	78.8	79.1	79.3	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.8
GE 1500	73.9	76.6	79.0	80.5	82.1	82.4	82.8	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.2
GE 1200	76.3	79.5	82.2	84.1	86.0	86.4	86.8	86.9	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.3
GE 1000	77.9	81.4	84.7	86.8	89.0	89.4	90.0	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5
GE 900	78.6	82.3	85.8	88.2	90.6	91.1	91.6	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.3
GE 800	79.3	83.2	87.1	89.9	92.6	93.1	93.8	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.5
GE 700	79.7	83.7	87.8	90.7	93.6	94.3	95.0	95.3	95.4	95.5	95.6	95.6	95.7	95.7	95.7	95.8
GE 600	79.9	84.0	88.3	91.4	94.6	95.4	96.2	96.7	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
GE 500	80.0	84.2	88.6	91.9	95.4	96.2	97.1	97.6	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.4
GE 400	80.0	84.2	88.6	91.9	95.5	96.5	97.5	98.1	98.3	98.6	98.8	98.8	98.9	98.9	99.0	99.1
GE 300	80.1	84.2	88.6	92.0	95.6	96.6	97.7	98.3	98.5	99.0	99.2	99.2	99.4	99.4	99.4	99.5
GE 200	80.1	84.2	88.6	92.0	95.6	96.7	97.8	98.4	98.7	99.2	99.4	99.4	99.6	99.6	99.7	99.8
GE 100	80.1	84.2	88.6	92.0	95.6	96.7	97.8	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.8	99.9
GE 000	80.1	84.2	88.6	92.0	95.6	96.7	97.8	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.0	28.2	28.5	29.1	30.3	30.4	30.8	30.8	30.8	30.9	30.9	30.9	31.1	31.1	31.1	31.1
GE 20000	32.6	32.8	33.1	33.9	35.1	35.2	35.5	35.5	35.5	35.6	35.6	35.6	35.8	35.8	35.8	35.8
GE 18000	32.8	33.0	33.3	34.1	35.3	35.4	35.7	35.7	35.7	35.7	35.8	35.8	36.0	36.0	36.0	36.0
GE 16000	32.8	33.0	33.3	34.1	35.3	35.4	35.7	35.7	35.7	35.7	35.8	35.8	36.0	36.0	36.0	36.0
GE 14000	33.1	33.3	33.7	34.4	35.6	35.7	36.0	36.0	36.0	36.1	36.1	36.1	36.3	36.3	36.3	36.3
GE 12000	34.4	34.6	35.3	36.0	37.2	37.3	37.6	37.6	37.6	37.7	37.7	37.7	38.0	38.0	38.0	38.0
GE 10000	37.6	37.8	38.5	39.2	40.6	40.8	41.1	41.1	41.1	41.2	41.2	41.2	41.4	41.4	41.4	41.4
GE 9000	38.2	38.5	39.1	39.9	41.3	41.4	41.7	41.7	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0
GE 8000	40.6	41.0	41.6	42.4	43.8	43.9	44.2	44.2	44.2	44.3	44.3	44.3	44.5	44.5	44.5	44.5
GE 7000	41.7	42.0	42.7	43.5	45.1	45.2	45.5	45.5	45.5	45.6	45.6	45.6	45.8	45.8	45.8	45.8
GE 6000	42.7	43.0	43.7	44.5	46.0	46.1	46.5	46.5	46.5	46.6	46.6	46.6	46.8	46.8	46.8	46.8
GE 5000	45.5	45.8	46.6	47.4	49.0	49.1	49.5	49.5	49.6	49.7	49.7	49.7	49.9	49.9	49.9	49.9
GE 4500	47.5	48.0	48.8	49.7	51.3	51.4	51.7	51.7	51.8	51.9	51.9	51.9	52.2	52.2	52.2	52.2
GE 4000	48.9	49.5	50.5	51.4	53.1	53.2	53.5	53.5	53.8	53.9	53.9	53.9	54.1	54.1	54.1	54.1
GE 3500	51.8	52.4	53.4	54.3	56.0	56.1	56.5	56.5	56.7	56.8	56.8	56.8	57.0	57.0	57.0	57.0
GE 3000	57.1	57.7	59.2	60.1	61.8	62.0	62.5	62.5	62.7	62.8	62.8	62.8	63.0	63.0	63.0	63.0
GE 2500	63.0	64.1	65.6	66.6	68.3	68.5	68.9	68.9	69.2	69.4	69.4	69.4	69.6	69.6	69.6	69.6
GE 2000	69.8	71.2	72.7	73.9	75.9	76.1	76.6	76.6	76.9	77.1	77.1	77.1	77.3	77.4	77.4	77.4
GE 1800	70.6	72.0	73.7	74.8	77.1	77.3	77.7	77.7	78.1	78.3	78.3	78.3	78.5	78.6	78.6	78.6
GE 1500	73.3	74.9	76.7	77.8	80.4	80.6	81.2	81.2	81.5	81.7	81.7	81.7	81.9	82.0	82.0	82.0
GE 1200	75.4	77.6	79.7	81.1	83.8	84.0	84.5	84.6	84.9	85.2	85.2	85.2	85.4	85.5	85.5	85.5
GE 1000	76.7	79.0	81.6	83.0	86.0	86.2	86.8	86.9	87.2	87.5	87.5	87.5	87.7	87.8	87.8	87.8
GE 900	77.8	80.3	83.2	84.7	88.0	88.2	88.7	88.8	89.1	89.6	89.6	89.6	89.8	89.9	89.9	89.9
GE 800	78.3	80.9	84.2	86.1	89.8	90.4	91.0	91.3	91.6	92.2	92.2	92.2	92.4	92.5	92.5	92.5
GE 700	79.1	82.0	85.4	87.7	91.5	92.3	92.9	93.3	93.7	94.3	94.3	94.3	94.5	94.6	94.6	94.6
GE 600	79.7	82.6	86.1	88.7	93.1	94.0	94.6	95.1	95.4	96.0	96.0	96.0	96.3	96.5	96.5	96.5
GE 500	79.8	82.8	86.6	89.1	93.9	95.2	96.0	96.6	96.9	97.5	97.5	97.5	97.8	98.0	98.0	98.0
GE 400	79.8	82.8	86.6	89.1	93.9	95.3	96.5	97.2	97.5	98.2	98.2	98.2	98.5	98.6	98.6	98.6
GE 300	79.8	82.9	86.7	89.2	94.3	95.7	96.9	97.6	98.0	98.6	98.6	98.6	98.9	99.0	99.0	99.0
GE 200	79.8	82.9	86.7	89.2	94.3	95.7	97.0	97.7	98.1	98.8	98.8	98.8	99.2	99.5	99.5	99.5
GE 100	79.8	82.9	86.7	89.2	94.3	95.7	97.0	97.7	98.1	98.8	98.8	98.8	99.2	99.5	99.5	99.7
GE 000	79.8	82.9	86.7	89.2	94.3	95.7	97.0	97.7	98.1	98.8	98.8	98.8	99.2	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.1	30.5	30.6	30.9	32.5	32.6	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 20000	31.8	32.5	32.6	32.9	34.5	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 18000	32.4	33.0	33.1	33.4	35.1	35.2	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 16000	32.4	33.0	33.1	33.4	35.1	35.2	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 14000	32.6	33.2	33.3	33.7	35.3	35.4	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 12000	33.2	33.9	34.1	34.6	36.2	36.3	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 10000	37.3	38.0	38.2	38.7	40.3	40.4	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	37.6	38.3	38.5	39.0	40.6	40.8	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 8000	40.4	41.1	41.3	41.8	43.4	43.5	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 7000	41.4	42.0	42.3	42.8	44.4	44.5	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 6000	42.8	43.4	43.7	44.2	45.8	45.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 5000	45.2	45.8	46.0	46.6	48.3	48.4	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 4500	46.7	47.4	47.7	48.3	50.0	50.1	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 4000	49.0	49.9	50.5	51.1	53.0	53.1	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 3500	50.9	51.7	52.5	53.0	55.1	55.2	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3000	54.8	55.8	57.0	57.7	60.1	60.2	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 2500	60.3	61.6	63.0	63.9	66.3	66.6	67.3	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 2000	66.2	67.5	69.0	70.0	72.8	73.1	74.0	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 1800	67.6	68.9	70.4	71.6	74.6	74.9	75.8	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 1500	71.3	72.6	74.3	75.6	78.6	78.9	79.8	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1200	74.2	75.6	77.5	78.9	82.5	82.8	83.9	84.1	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5
GE 1000	76.0	77.5	79.6	81.2	84.8	85.2	86.3	87.0	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4
GE 900	76.7	78.2	80.5	82.3	86.1	86.5	87.6	88.3	88.4	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 800	76.8	78.3	80.8	82.5	86.5	86.9	88.1	88.9	89.0	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 700	77.7	79.6	82.4	84.1	88.5	89.4	90.6	91.6	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 600	78.2	80.2	83.1	85.7	90.3	91.3	92.6	93.5	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.5
GE 500	78.4	80.5	83.7	86.2	91.7	93.0	94.7	96.0	96.2	96.8	97.1	97.1	97.2	97.2	97.2	97.2
GE 400	78.4	80.5	83.9	86.7	92.2	93.5	95.5	96.9	97.2	97.8	98.3	98.3	98.4	98.4	98.4	98.4
GE 300	78.4	80.5	83.9	86.7	92.2	93.5	95.5	97.1	97.4	98.3	98.8	98.8	98.9	98.9	98.9	98.9
GE 200	78.4	80.5	83.9	86.7	92.2	93.5	95.5	97.1	97.4	98.3	98.9	98.9	99.1	99.1	99.2	99.4
GE 100	78.4	80.5	83.9	86.7	92.2	93.5	95.5	97.1	97.4	98.3	98.9	98.9	99.2	99.4	99.5	99.7
GE 000	78.4	80.5	83.9	86.7	92.2	93.5	95.5	97.1	97.4	98.3	98.9	98.9	99.2	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.5	27.4	28.2	28.5	30.2	30.4	30.8	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.1
GE 20000	28.2	29.1	30.1	30.4	32.2	32.4	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	33.0	33.0
GE 18000	28.7	29.7	30.6	31.0	32.7	32.9	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.5	33.5
GE 16000	28.7	29.7	30.6	31.0	32.7	32.9	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.5	33.5
GE 14000	29.0	30.1	31.1	31.4	33.1	33.3	33.7	33.8	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0
GE 12000	29.8	30.9	31.8	32.4	34.2	34.4	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9	35.1	35.1
GE 10000	34.3	35.8	36.9	37.4	39.2	39.5	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1
GE 9000	34.6	36.1	37.2	37.7	39.6	39.8	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4
GE 8000	36.7	38.2	39.2	39.8	41.6	41.8	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.5
GE 7000	37.5	39.0	40.2	40.8	42.6	42.8	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4
GE 6000	38.5	40.0	41.2	41.7	43.5	43.8	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4
GE 5000	40.2	41.8	43.1	43.8	45.6	45.8	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5
GE 4500	41.8	43.4	44.7	45.5	47.3	47.5	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2
GE 4000	44.2	45.9	47.4	48.4	50.5	50.8	51.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.5	51.5
GE 3500	46.0	47.7	49.4	50.4	52.7	52.9	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.7	53.7
GE 3000	49.6	51.4	53.4	54.7	57.4	57.6	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4
GE 2500	54.6	56.8	59.1	60.4	63.2	63.7	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5
GE 2000	59.4	61.7	64.5	65.9	68.7	69.2	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1
GE 1800	61.1	63.4	66.2	67.6	70.6	71.2	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.2	72.2
GE 1500	64.6	67.5	70.5	72.0	75.1	75.6	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.9	76.9
GE 1200	67.6	70.9	74.3	75.9	79.1	79.7	80.6	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3
GE 1000	69.1	72.4	76.7	78.5	82.0	82.6	83.5	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5
GE 900	69.5	72.7	77.4	79.5	83.0	83.5	84.5	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.5	85.5
GE 800	70.3	73.5	78.4	80.6	84.6	85.2	86.1	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.2
GE 700	70.6	74.1	79.1	81.6	86.2	87.2	88.3	88.8	89.0	89.5	89.8	89.8	89.8	89.8	89.9	89.9
GE 600	71.0	74.3	79.5	82.6	87.5	88.8	90.0	90.8	91.0	91.5	91.8	91.8	91.8	91.8	91.9	91.9
GE 500	71.4	74.8	80.2	83.4	89.1	90.8	92.2	93.3	93.7	94.3	94.7	94.7	94.7	94.7	94.8	94.8
GE 400	71.4	74.8	80.5	83.9	89.7	91.4	93.3	94.6	95.3	96.0	96.7	96.8	96.8	96.8	96.9	96.9
GE 300	71.4	74.8	80.5	83.9	89.9	91.6	93.7	95.2	96.2	97.2	98.1	98.2	98.3	98.3	98.4	98.4
GE 200	71.4	74.8	80.5	83.9	89.9	91.6	93.7	95.2	96.3	97.4	98.5	98.6	99.0	99.0	99.1	99.5
GE 100	71.4	74.8	80.5	83.9	89.9	91.6	93.7	95.2	96.3	97.4	98.7	98.8	99.4	99.4	99.5	99.8
GE 000	71.4	74.8	80.5	83.9	89.9	91.6	93.7	95.2	96.3	97.4	98.7	98.8	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.5	24.9	26.2	27.2	28.2	28.2	28.4	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7
GE 20000	26.2	27.7	29.4	30.4	31.4	31.4	31.6	31.8	31.8	31.8	31.8	31.8	31.9	31.9	31.9	31.9
GE 18000	26.3	27.8	29.5	30.5	31.5	31.5	31.7	31.9	31.9	31.9	31.9	31.9	32.0	32.0	32.0	32.0
GE 16000	26.7	28.2	29.8	30.9	31.8	31.8	32.0	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4
GE 14000	26.9	28.4	30.0	31.1	32.0	32.0	32.3	32.5	32.5	32.5	32.5	32.5	32.6	32.6	32.6	32.6
GE 12000	28.1	29.6	31.4	32.5	33.5	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1	34.1
GE 10000	31.8	33.7	35.6	36.7	37.7	37.7	38.0	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4
GE 9000	31.9	33.8	35.7	36.8	37.8	37.8	38.1	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5
GE 8000	34.8	36.7	38.6	39.7	40.8	40.8	41.0	41.3	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.4
GE 7000	35.3	37.1	39.0	40.1	41.3	41.3	41.5	41.8	41.8	41.8	41.8	41.8	41.9	41.9	41.9	41.9
GE 6000	36.1	38.0	39.9	41.0	42.2	42.2	42.4	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8
GE 5000	38.2	40.0	42.0	43.1	44.3	44.3	44.5	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9
GE 4500	38.9	40.8	42.8	44.0	45.2	45.2	45.4	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8
GE 4000	40.5	42.6	44.7	46.3	47.5	47.6	47.8	48.2	48.2	48.2	48.2	48.3	48.4	48.4	48.4	48.4
GE 3500	43.2	45.5	47.7	49.5	50.6	50.8	51.0	51.3	51.4	51.4	51.4	51.5	51.6	51.6	51.6	51.6
GE 3000	47.0	49.4	51.8	53.5	54.9	55.1	55.4	55.7	55.8	55.8	55.8	55.9	56.0	56.0	56.0	56.0
GE 2500	50.4	53.0	55.8	58.1	60.1	60.3	61.0	61.3	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.6
GE 2000	55.5	58.3	61.6	64.1	66.5	66.8	67.4	67.7	67.8	67.8	67.8	68.0	68.1	68.1	68.1	68.1
GE 1800	57.4	60.3	63.8	66.2	68.6	68.9	69.6	69.9	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2
GE 1500	61.1	64.0	68.0	70.6	73.2	73.7	74.4	74.7	74.8	75.1	75.1	75.2	75.3	75.3	75.3	75.3
GE 1200	64.1	67.5	72.2	75.2	77.7	78.3	79.1	79.7	79.9	80.1	80.2	80.3	80.4	80.4	80.4	80.4
GE 1000	65.1	68.9	74.2	77.5	80.4	81.0	81.9	82.7	83.0	83.2	83.3	83.5	83.7	83.7	83.7	83.7
GE 900	65.6	69.5	75.1	78.8	81.7	82.3	83.2	84.0	84.4	84.6	84.7	84.9	85.2	85.2	85.2	85.2
GE 800	65.8	69.7	75.4	79.7	83.3	83.9	84.9	86.0	86.5	86.7	86.8	87.0	87.2	87.2	87.2	87.2
GE 700	66.5	70.6	76.5	81.3	85.6	86.5	87.5	88.7	89.1	89.5	89.6	89.9	90.2	90.2	90.2	90.2
GE 600	67.7	71.2	77.0	82.0	86.6	88.0	89.0	90.5	91.0	91.3	91.7	92.2	92.6	92.6	92.6	92.6
GE 500	67.0	71.2	77.0	82.2	87.0	88.5	90.0	92.7	93.2	93.8	94.3	94.7	95.5	95.5	95.5	95.5
GE 400	67.0	71.2	77.2	82.5	87.8	89.4	91.1	94.0	94.6	95.2	95.9	96.5	97.3	97.3	97.3	97.4
GE 300	67.0	71.2	77.2	82.5	88.0	89.5	91.2	94.3	95.2	95.7	96.7	97.2	98.3	98.3	98.4	98.6
GE 200	67.1	71.3	77.3	82.6	88.1	89.6	91.3	94.4	95.3	95.8	97.0	97.5	99.1	99.2	99.4	99.8
GE 100	67.1	71.3	77.3	82.6	88.1	89.6	91.3	94.4	95.3	95.8	97.0	97.5	99.1	99.2	99.5	100.0
GE 000	67.1	71.3	77.3	82.6	88.1	89.6	91.3	94.4	95.3	95.8	97.0	97.5	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.5	26.2	26.8	27.2	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 20000	30.3	31.2	31.8	32.3	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 18000	30.4	31.3	31.9	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 16000	30.4	31.3	31.9	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 14000	30.5	31.4	32.0	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 12000	31.2	32.2	32.8	33.2	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 10000	34.8	35.9	36.6	37.1	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 9000	35.2	36.2	36.9	37.4	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 8000	37.7	38.8	39.5	40.0	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 7000	39.2	40.3	41.0	41.5	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 6000	40.8	41.8	42.5	43.0	43.2	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 5000	43.1	44.2	44.8	45.4	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 4500	44.4	45.5	46.1	46.7	47.0	47.0	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 4000	46.6	47.7	48.5	49.2	49.7	49.7	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 3500	49.7	50.9	51.6	52.4	52.8	52.8	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 3000	54.6	56.0	56.8	57.5	58.1	58.1	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 2500	59.7	61.2	61.9	62.7	63.3	63.3	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 2000	66.5	68.2	69.2	70.4	71.3	71.3	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 1800	68.4	70.1	71.3	72.5	73.4	73.5	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 1500	71.8	73.9	75.6	76.9	77.8	78.1	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1200	74.1	76.3	78.6	80.3	81.8	82.2	82.8	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2
GE 1000	74.7	77.4	80.0	82.3	84.3	84.6	85.3	85.4	85.5	85.9	86.0	86.2	86.2	86.2	86.2	86.2
GE 900	75.6	78.6	81.3	84.3	86.6	86.9	87.7	87.8	88.2	88.6	88.7	88.9	88.9	88.9	88.9	88.9
GE 800	76.2	79.8	82.7	86.6	89.1	89.8	90.6	90.9	91.2	91.6	91.7	91.9	91.9	91.9	91.9	91.9
GE 700	76.6	80.3	83.3	87.4	90.2	91.0	91.9	92.3	92.7	93.2	93.3	93.5	93.8	93.8	93.8	93.8
GE 600	76.8	80.6	83.8	87.8	91.0	92.0	93.1	93.5	94.0	94.5	94.6	94.8	95.1	95.1	95.1	95.1
GE 500	76.9	80.9	84.0	88.1	91.4	93.0	94.6	95.1	95.5	96.1	96.2	96.6	96.9	96.9	96.9	96.9
GE 400	77.0	81.0	84.2	88.5	91.9	93.8	95.5	96.2	96.7	97.4	97.6	98.0	98.3	98.4	98.4	98.4
GE 300	77.0	81.0	84.3	88.6	92.0	93.9	95.7	96.5	96.9	97.7	98.0	98.3	98.8	98.9	99.2	99.2
GE 200	77.1	81.1	84.4	88.7	92.2	94.0	95.8	96.6	97.1	98.0	98.2	98.5	99.2	99.4	99.9	100.0
GE 100	77.1	81.1	84.4	88.7	92.2	94.0	95.8	96.6	97.1	98.0	98.2	98.5	99.2	99.4	99.9	100.0
GE 000	77.1	81.1	84.4	88.7	92.2	94.0	95.8	96.6	97.1	98.0	98.2	98.5	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.2	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 20000	31.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 18000	31.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 16000	31.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 14000	31.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 12000	32.5	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 10000	36.8	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 9000	37.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 8000	40.8	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 7000	41.4	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 6000	41.7	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 5000	43.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 4500	45.2	46.5	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 4000	48.1	49.5	49.7	49.9	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 3500	50.6	52.2	52.4	52.6	52.8	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 3000	56.1	57.8	58.1	58.4	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 2500	61.4	63.1	64.0	64.4	64.9	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4
GE 2000	67.6	69.7	71.1	71.9	72.8	72.9	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
GE 1800	70.1	72.4	74.1	75.1	76.0	76.1	76.5	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
GE 1500	72.8	75.5	78.0	79.4	80.8	81.1	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 1200	73.8	77.0	79.8	81.6	83.4	84.0	84.4	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 1000	74.7	78.4	81.9	84.6	86.9	87.6	88.3	88.8	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2
GE 900	75.5	79.4	83.1	86.0	88.7	89.5	90.1	90.9	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3
GE 800	76.1	80.0	84.1	87.4	91.0	91.8	92.8	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3
GE 700	76.6	80.4	84.5	88.0	91.5	92.7	93.9	94.9	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.6
GE 600	76.6	80.4	84.5	88.1	91.7	93.1	94.4	95.6	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3
GE 500	76.6	80.4	84.5	88.2	92.0	93.5	95.3	96.8	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7
GE 400	76.6	80.4	84.6	88.3	92.3	93.9	95.7	97.2	97.5	98.2	98.4	98.4	98.5	98.5	98.5	98.5
GE 300	76.6	80.4	84.6	88.3	92.3	93.9	95.7	97.3	97.8	98.8	99.1	99.2	99.6	99.6	99.6	99.6
GE 200	76.6	80.4	84.6	88.3	92.3	93.9	95.7	97.3	97.8	98.8	99.1	99.2	99.8	99.8	99.8	99.9
GE 100	76.6	80.4	84.6	88.3	92.3	93.9	95.7	97.3	97.8	98.8	99.1	99.2	99.8	99.8	99.9	100.0
GE 000	76.6	80.4	84.6	88.3	92.3	93.9	95.7	97.3	97.8	98.8	99.1	99.2	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.5	31.1	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000	34.3	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 18000	34.3	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 16000	34.3	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 14000	34.9	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 12000	35.5	36.2	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 10000	38.9	39.9	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 9000	39.6	40.5	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 8000	43.9	44.8	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 7000	44.7	45.7	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 6000	45.6	46.6	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 5000	47.1	48.1	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 4500	48.6	50.1	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 4000	51.1	52.6	53.3	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 3500	53.7	55.4	56.1	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 3000	57.2	59.6	60.6	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4
GE 2500	63.7	66.1	67.2	67.3	67.6	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0
GE 2000	69.6	72.3	73.4	74.0	74.6	75.1	75.3	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6
GE 1800	71.3	74.0	75.2	75.8	76.7	77.1	77.3	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6
GE 1500	74.2	77.2	78.6	79.4	80.2	80.6	80.9	80.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2
GE 1200	76.7	80.0	81.6	82.7	84.0	84.6	85.1	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5
GE 1000	78.2	81.7	84.1	85.5	87.2	88.1	88.6	88.7	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1
GE 900	78.8	82.4	85.1	86.7	88.7	89.7	90.2	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 800	79.5	83.2	86.1	88.1	90.4	91.4	92.0	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
GE 700	79.5	83.2	86.3	88.5	91.1	92.3	92.9	93.5	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 600	79.7	83.5	87.2	89.4	92.3	93.5	94.3	94.9	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 500	79.7	83.9	87.6	90.0	93.1	95.1	96.0	96.9	97.2	97.5	98.1	98.1	98.2	98.2	98.2	98.2
GE 400	79.7	83.9	87.6	90.0	93.1	95.2	96.2	97.1	97.4	97.7	98.4	98.4	98.6	98.6	98.6	98.6
GE 300	79.7	83.9	87.6	90.0	93.1	95.3	96.3	97.2	97.8	98.4	99.2	99.4	99.6	99.6	99.6	99.6
GE 200	79.7	83.9	87.6	90.0	93.1	95.3	96.3	97.2	97.8	98.4	99.5	99.7	99.9	99.9	99.9	100.0
GE 100	79.7	83.9	87.6	90.0	93.1	95.3	96.3	97.2	97.8	98.4	99.5	99.7	99.9	99.9	99.9	100.0
GE 000	79.7	83.9	87.6	90.0	93.1	95.3	96.3	97.2	97.8	98.4	99.5	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.4	29.4	30.0	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 20000	34.4	35.5	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 18000	34.4	35.5	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 16000	34.4	35.5	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 14000	34.8	35.9	36.6	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 12000	35.9	37.0	37.8	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 10000	38.5	39.6	40.5	40.9	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 9000	39.1	40.2	41.2	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 8000	42.2	43.5	44.5	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 7000	44.2	45.6	46.6	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 6000	44.9	46.3	47.3	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 5000	48.0	49.4	50.3	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 4500	51.0	52.4	53.3	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4000	52.7	54.1	55.1	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3500	55.8	57.2	58.2	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 3000	59.9	61.8	63.1	63.7	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 2500	64.1	66.2	67.5	68.1	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 2000	69.4	71.6	73.0	73.9	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 1800	70.4	72.7	74.2	75.1	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1500	73.8	76.1	77.7	78.7	80.4	80.6	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1200	76.5	78.9	80.8	81.7	83.7	84.0	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE 1000	78.3	81.0	82.9	84.0	86.1	86.6	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 900	79.4	82.0	84.0	85.3	87.6	88.2	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 800	79.7	82.4	84.9	86.2	89.1	89.9	90.5	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 700	80.1	83.0	85.9	87.3	90.4	91.5	92.2	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
GE 600	80.4	83.4	86.7	88.4	91.9	93.3	94.0	94.1	94.2	94.2	94.4	94.4	94.5	94.5	94.5	94.5
GE 500	80.5	83.5	87.1	89.2	93.5	95.4	96.5	96.7	96.8	97.0	97.5	97.5	97.6	97.6	97.6	97.6
GE 400	80.5	83.5	87.1	89.4	93.7	95.5	96.8	97.0	97.2	97.4	98.2	98.2	98.3	98.3	98.3	98.3
GE 300	80.5	83.5	87.1	89.4	93.7	95.5	96.9	97.1	97.3	97.5	98.4	98.4	98.6	98.6	98.6	98.6
GE 200	80.5	83.5	87.1	89.4	93.7	95.5	96.9	97.1	97.3	97.6	98.8	98.8	99.1	99.1	99.1	99.4
GE 100	80.5	83.5	87.1	89.4	93.7	95.5	96.9	97.1	97.3	97.6	98.8	98.8	99.1	99.1	99.4	99.6
GE 000	80.5	83.5	87.1	89.4	93.7	95.5	96.9	97.1	97.3	97.6	98.8	98.8	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 107

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.5	28.2	28.7	29.1	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2
GE 20000	31.1	32.0	32.6	33.0	33.8	33.8	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 18000	31.3	32.2	32.8	33.2	34.0	34.0	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
GE 16000	31.4	32.2	32.8	33.2	34.0	34.1	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4
GE 14000	31.7	32.6	33.2	33.6	34.4	34.4	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 12000	32.6	33.5	34.2	34.6	35.4	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.8
GE 10000	36.3	37.3	38.1	38.5	39.4	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 9000	36.7	37.8	38.5	39.0	39.8	39.9	40.0	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2
GE 8000	39.6	40.7	41.5	42.0	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2
GE 7000	40.7	41.8	42.6	43.1	43.9	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3
GE 6000	41.6	42.7	43.5	44.0	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3
GE 5000	43.8	44.9	45.7	46.2	47.1	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6
GE 4500	45.5	46.7	47.6	48.1	49.1	49.2	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6
GE 4000	47.6	49.0	50.0	50.6	51.7	51.8	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3
GE 3500	50.2	51.6	52.7	53.3	54.5	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1
GE 3000	54.5	56.2	57.5	58.3	59.6	59.7	60.0	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3
GE 2500	59.7	61.5	63.0	63.9	65.4	65.6	65.9	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 2000	65.5	67.6	69.3	70.5	72.2	72.5	72.9	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.4
GE 1800	67.1	69.2	71.1	72.3	74.2	74.5	74.9	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 1500	70.4	72.7	74.9	76.3	78.3	78.7	79.2	79.4	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7
GE 1200	72.8	75.5	78.1	79.7	82.0	82.4	83.1	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.8	83.8
GE 1000	74.1	77.0	80.1	82.1	84.7	85.2	86.0	86.3	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9
GE 900	74.9	77.9	81.2	83.4	86.3	86.8	87.6	88.0	88.2	88.5	88.5	88.6	88.7	88.7	88.7	88.7
GE 800	75.3	78.5	82.1	84.7	88.0	88.7	89.5	90.1	90.3	90.6	90.7	90.7	90.8	90.8	90.8	90.8
GE 700	75.8	79.2	82.9	85.7	89.4	90.3	91.3	91.9	92.2	92.5	92.6	92.7	92.8	92.8	92.9	92.9
GE 600	76.2	79.5	83.5	86.6	90.6	91.8	92.8	93.5	93.8	94.2	94.3	94.4	94.6	94.6	94.6	94.6
GE 500	76.3	79.8	83.8	87.1	91.5	93.1	94.4	95.5	95.8	96.3	96.6	96.7	97.0	97.0	97.0	97.0
GE 400	76.3	79.8	84.0	87.3	91.8	93.5	95.1	96.3	96.7	97.2	97.7	97.8	98.1	98.1	98.1	98.1
GE 300	76.3	79.8	84.0	87.3	91.9	93.6	95.2	96.5	97.1	97.8	98.4	98.5	98.9	98.9	99.0	99.0
GE 200	76.3	79.8	84.0	87.3	91.9	93.6	95.3	96.6	97.2	97.9	98.6	98.8	99.3	99.4	99.5	99.7
GE 100	76.3	79.8	84.0	87.3	91.9	93.6	95.3	96.6	97.2	97.9	98.6	98.8	99.4	99.4	99.6	99.8
GE 000	76.3	79.8	84.0	87.3	91.9	93.6	95.3	96.6	97.2	97.9	98.6	98.8	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.5	42.2	43.8	44.9	46.1	46.4	46.7	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.1
GE 20000	45.3	47.3	49.1	50.3	51.7	52.0	52.3	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.8
GE 18000	45.4	47.4	49.3	50.5	51.8	52.2	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9
GE 16000	45.4	47.4	49.3	50.5	51.9	52.2	52.5	52.7	52.7	52.8	52.8	52.8	52.8	52.9	52.9	52.9
GE 14000	45.7	47.8	49.6	50.9	52.2	52.6	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3
GE 12000	46.7	48.8	50.8	52.0	53.4	53.8	54.1	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5
GE 10000	49.5	51.7	53.8	55.2	56.7	57.0	57.4	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 9000	50.3	52.6	54.8	56.2	57.7	58.0	58.4	58.5	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8
GE 8000	53.1	55.5	57.8	59.3	60.9	61.3	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1
GE 7000	54.5	57.1	59.4	61.0	62.6	63.0	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8
GE 6000	55.5	58.1	60.5	62.1	63.8	64.2	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0
GE 5000	57.8	60.5	63.0	64.7	66.4	66.9	67.2	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7
GE 4500	59.2	62.0	64.6	66.4	68.2	68.6	69.0	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.5
GE 4000	61.7	64.7	67.5	69.4	71.4	71.9	72.3	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8
GE 3500	63.7	66.8	69.7	71.7	73.8	74.3	74.7	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3
GE 3000	66.3	69.6	72.7	74.8	77.0	77.6	78.1	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.7	78.7
GE 2500	69.0	72.5	75.8	78.1	80.4	81.0	81.5	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.2	82.2
GE 2000	71.6	75.2	78.8	81.2	83.7	84.3	84.9	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.7
GE 1800	72.3	75.9	79.6	82.0	84.6	85.2	85.8	86.2	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6
GE 1500	74.0	77.8	81.7	84.3	87.1	87.8	88.4	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.3
GE 1200	75.3	79.3	83.5	86.4	89.3	90.1	90.9	91.3	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.8
GE 1000	76.1	80.2	84.7	87.7	90.9	91.9	92.7	93.2	93.3	93.5	93.6	93.6	93.7	93.7	93.7	93.8
GE 900	76.4	80.7	85.3	88.4	91.8	92.8	93.6	94.1	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8
GE 800	76.7	81.0	85.8	89.2	92.7	93.8	94.7	95.3	95.4	95.7	95.8	95.8	95.9	95.9	96.0	96.0
GE 700	76.9	81.3	86.2	89.6	93.3	94.5	95.5	96.2	96.3	96.6	96.7	96.8	96.9	96.9	96.9	96.9
GE 600	77.0	81.4	86.4	89.9	93.8	95.1	96.2	96.9	97.1	97.5	97.6	97.6	97.7	97.7	97.8	97.8
GE 500	77.0	81.5	86.6	90.2	94.2	95.6	96.8	97.6	97.9	98.3	98.5	98.5	98.6	98.6	98.7	98.7
GE 400	77.0	81.5	86.6	90.2	94.3	95.7	97.1	98.0	98.2	98.7	98.9	98.9	99.1	99.1	99.1	99.2
GE 300	77.0	81.5	86.6	90.2	94.4	95.8	97.1	98.1	98.4	98.9	99.2	99.2	99.4	99.4	99.5	99.6
GE 200	77.0	81.5	86.6	90.3	94.4	95.8	97.2	98.1	98.4	99.0	99.3	99.4	99.6	99.6	99.7	99.8
GE 100	77.0	81.5	86.6	90.3	94.4	95.8	97.2	98.1	98.4	99.0	99.3	99.4	99.6	99.7	99.8	99.9
GE 000	77.0	81.5	86.6	90.3	94.4	95.8	97.2	98.1	98.4	99.0	99.3	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 87643

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	19.2	12.9	10.0	56.1	1.7	67.8	3.8	930
03-05	18.9	12.6	11.4	54.7	2.4	68.5	3.8	930
06-08	14.6	14.9	14.1	54.1	2.3	70.4	3.7	930
09-11	7.0	20.9	18.2	52.2	1.8	72.2	3.2	930
12-14	4.9	20.3	23.5	50.8	.4	74.7	2.2	930
15-17	6.9	19.2	24.1	48.7	1.1	73.9	2.2	930
18-20	10.8	19.1	16.8	52.0	1.3	70.1	2.6	930
21-23	14.9	13.3	15.5	54.6	1.6	71.7	1.6	930
ALL HOURS	12.2	16.7	16.7	52.9	1.6	71.2	2.9	7440

MONTH: FEB HOURS: ALL

00-02	16.3	12.9	11.6	55.6	3.7	70.8	3.3	846
03-05	18.7	10.8	9.1	56.4	5.1	70.6	3.0	846
06-08	14.3	15.7	14.8	49.9	5.3	70.0	5.3	846
09-11	7.2	19.9	17.1	52.0	3.8	72.9	6.9	846
12-14	6.1	19.5	19.9	52.2	2.2	74.3	3.1	846
15-17	6.0	18.0	20.3	54.4	1.3	76.0	2.5	846
18-20	7.7	19.7	17.3	53.1	2.2	72.6	3.0	846
21-23	14.3	14.7	13.9	54.3	2.8	71.0	3.0	846
ALL HOURS	11.3	16.4	15.5	53.5	3.3	72.3	3.7	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	22.8	14.2	12.9	49.4	.8	63.0	1.5	930
03-05	21.1	13.9	13.8	49.9	1.4	65.1	1.9	930
06-08	13.9	21.4	16.7	46.3	1.7	64.7	3.9	930
09-11	7.7	22.5	21.4	47.5	.9	69.8	3.7	930
12-14	6.6	23.8	21.1	48.5	.1	69.7	1.6	930
15-17	6.9	20.9	22.6	49.1	.5	72.3	1.1	930
18-20	8.2	21.6	23.3	46.0	.9	70.2	.5	930
21-23	18.2	19.0	14.0	47.8	1.0	62.8	1.6	930
ALL HOURS	13.2	19.7	18.2	48.1	.9	67.2	2.0	7440

MONTH: APR HOURS: ALL

00-02	29.3	14.4	14.4	41.2	.6	56.2	1.4	900
03-05	28.7	16.7	12.1	41.3	1.2	54.7	1.9	900
06-08	15.9	24.4	18.3	40.7	.7	59.7	4.1	900
09-11	12.0	24.9	20.3	42.6	.2	63.1	1.6	900
12-14	7.0	25.7	26.6	40.8		67.3	.2	900
15-17	4.6	23.2	29.0	43.1	.1	72.2		900
18-20	5.4	29.8	24.1	40.4	.2	64.8	.2	900
21-23	23.3	22.1	14.6	39.4	.6	54.6	.9	900
ALL HOURS	15.8	22.7	19.9	41.2	.4	61.6	1.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	24.9	18.8	18.0	38.3		56.2	2.2	930
03-05	22.2	21.8	18.4	37.3	.3	56.0	4.7	930
06-08	11.8	25.4	21.5	41.2	.1	62.8	4.8	930
09-11	7.8	29.4	21.2	41.5	.1	62.8	.5	930
12-14	3.0	28.2	28.6	40.1	.1	68.8	.1	930
15-17	3.0	26.2	30.5	40.1	.1	70.8	.6	930
18-20	4.0	34.2	25.7	36.1		61.8	.5	930
21-23	17.1	29.2	18.3	35.4		53.7	1.0	930
ALL HOURS	11.7	26.7	22.8	38.8	.1	61.6	1.8	7440

MONTH: JUN HOURS: ALL

00-02	27.1	28.7	19.0	24.9	.3	44.2	3.4	900
03-05	20.3	35.0	18.9	25.1	.7	44.7	6.9	900
06-08	12.0	31.9	25.6	29.8	.8	56.1	7.3	900
09-11	8.2	34.2	25.3	32.1	.1	57.6	3.9	900
12-14	2.2	36.0	29.6	32.0	.2	61.8	2.8	900
15-17	2.9	34.2	32.4	30.4		62.9	2.6	900
18-20	6.1	36.0	29.9	28.0		57.9	2.9	900
21-23	17.8	33.3	21.3	27.4	.1	48.9	1.9	900
ALL HOURS	12.1	33.7	25.3	28.7	.3	54.3	4.0	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	26.7	31.2	19.0	22.7	.4	42.2	7.4	930
03-05	23.1	33.9	17.6	24.4	1.0	43.0	14.1	930
06-08	12.9	35.8	22.3	28.3	.8	51.3	13.8	930
09-11	10.3	37.6	22.8	29.1	.1	52.0	4.6	930
12-14	1.9	41.6	28.5	27.7	.1	56.5	3.3	930
15-17	2.0	40.0	34.7	23.1	.1	58.0	6.2	930
18-20	5.3	45.6	30.1	19.0		49.1	5.7	930
21-23	19.8	37.7	20.9	21.5	.1	42.5	5.5	930
ALL HOURS	12.8	37.9	24.5	24.5	.3	49.3	7.6	7440

MONTH: AUG HOURS: ALL

00-02	32.5	27.4	15.9	24.0	.2	40.1	6.6	930
03-05	30.0	25.8	15.6	27.8	.8	44.2	10.4	930
06-08	13.1	34.0	24.9	26.6	1.4	52.9	19.9	930
09-11	11.3	36.5	25.6	26.7		52.3	7.6	930
12-14	3.0	39.6	33.7	23.8		57.4	4.1	930
15-17	1.9	44.1	31.4	22.6		54.0	5.3	930
18-20	4.5	47.6	25.3	22.5		47.8	5.1	928
21-23	24.6	33.5	20.3	21.6		41.9	4.7	927
ALL HOURS	15.1	36.1	24.1	24.4	.3	48.8	8.0	7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	40.0	19.6	14.9	25.4	.1	40.4	.9	900
03-05	36.4	23.4	11.3	27.7	1.1	40.1	4.6	900
06-08	19.0	30.9	20.6	28.1	1.4	50.1	10.9	900
09-11	13.0	34.1	24.1	28.3	.4	52.9	3.8	900
12-14	8.0	33.1	34.6	24.3		58.9	1.4	900
15-17	8.2	39.0	30.0	22.8		52.8	.4	900
18-20	13.3	40.9	24.0	21.7	.1	45.8	.1	900
21-23	33.0	25.7	14.9	26.4		41.3	.2	900
ALL HOURS	21.4	30.8	21.8	25.6	.4	47.8	2.8	7200

MONTH: OCT HOURS: ALL

00-02	34.0	14.9	12.8	37.8	.4	51.1	2.2	930
03-05	31.2	14.9	13.8	38.6	1.5	53.9	5.8	930
06-08	16.9	24.1	21.2	35.5	2.4	59.0	9.4	930
09-11	11.1	27.5	24.4	36.0	1.0	61.4	4.3	930
12-14	8.9	27.6	27.7	35.7		63.4	1.5	930
15-17	9.0	25.2	26.5	39.4		65.8	.5	930
18-20	12.7	28.7	24.6	34.0		58.6	.6	930
21-23	27.4	23.8	11.8	37.0		48.8	1.6	930
ALL HOURS	18.9	23.3	20.3	36.7	.7	57.8	3.2	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	22.4	13.2	13.2	50.6	.6	64.3	1.8	900
03-05	19.1	16.2	15.1	49.1	.4	64.7	3.0	900
06-08	13.4	19.3	16.8	49.9	.6	67.2	4.3	900
09-11	6.2	21.4	23.2	48.4	.7	72.3	3.2	900
12-14	4.6	22.2	22.0	50.8	.4	73.2	2.2	900
15-17	6.4	19.3	25.7	48.4	.1	74.2	2.9	900
18-20	12.8	18.3	17.6	51.2	.1	68.9	1.4	900
21-23	20.3	12.3	15.8	51.1	.4	67.3	1.0	900
ALL HOURS	13.2	17.8	18.7	49.9	.4	69.0	2.5	7200

MONTH: DEC HOURS: ALL

00-02	15.1	11.9	13.2	58.6	1.2	73.0	2.8	930
03-05	18.7	10.3	12.5	56.5	2.0	71.0	2.2	930
06-08	15.4	12.0	11.5	58.7	2.4	72.6	4.0	930
09-11	6.8	14.7	17.7	58.2	2.6	78.5	6.9	930
12-14	5.7	16.6	19.5	56.7	1.6	77.7	3.9	930
15-17	5.2	15.3	20.9	57.4	1.3	79.6	3.7	930
18-20	8.4	17.2	18.0	55.7	.8	74.4	3.3	930
21-23	12.3	13.0	15.2	57.7	1.8	74.7	1.9	930
ALL HOURS	10.9	13.9	16.0	57.4	1.7	75.2	3.6	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	25.9	18.4	14.6	40.3	.8	55.7	3.1	10956
03-05	24.1	19.6	14.2	40.7	1.5	56.3	5.2	10956
06-08	14.4	24.2	19.0	40.7	1.6	61.4	7.6	10956
09-11	9.1	27.0	21.8	41.2	1.0	63.9	4.2	10956
12-14	5.2	27.9	26.3	40.2	.4	66.9	2.2	10956
15-17	5.2	27.1	27.4	39.9	.4	67.7	2.3	10956
18-20	8.3	30.0	23.1	38.2	.5	61.8	2.2	10954
21-23	20.3	23.2	16.4	39.5	.7	56.5	2.1	10953
ALL HOURS	14.0	24.7	20.3	40.1	.9	61.3	3.6	87643

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMF-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100						.3	.6	.2	.2				.1
GE 95					.1	1.4	5.2	2.9	1.4				.9
GE 90				.1	2.1	14.7	23.4	16.4	6.7	.1			5.3
GE 85				1.4	10.8	39.0	54.7	46.5	21.6	1.6			14.8
GE 80			.7	7.1	26.2	63.0	82.2	75.8	42.4	8.8	.1		25.7
GE 75			3.6	16.2	43.2	83.1	96.2	92.6	63.3	21.1	1.3		35.3
GE 70	.2	.4	8.3	28.6	61.4	93.1	99.5	98.9	80.6	36.9	6.1	.2	43.1
GE 65	.6	1.7	16.1	42.8	78.4	98.2	100.0	100.0	92.4	53.4	13.9	1.4	50.2
GE 60	3.5	5.7	25.6	58.0	89.9	99.3			97.3	71.1	26.7	5.7	57.2
GE 55	8.6	12.4	36.3	72.1	95.9	99.9			99.4	84.8	40.0	12.6	63.8
GE 50	15.1	20.4	48.9	83.8	98.8	100.0			99.9	92.9	54.1	20.0	69.8
GE 45	24.6	32.2	61.4	92.1	99.7				100.0	98.1	68.9	31.1	75.9
GE 40	36.0	45.9	75.6	97.7	100.0					99.4	82.3	46.1	82.1
GE 35	52.7	65.6	88.2	99.5						100.0	93.0	65.4	88.8
GE 33	61.6	71.4	92.3	99.6							95.6	72.5	91.2
GE 30	70.3	79.4	95.7	99.9							98.2	82.4	93.9
GE 25	80.8	89.1	98.6	100.0							99.2	91.3	96.6
GE 20	90.6	94.4	99.7								99.9	96.0	98.4
GE 15	95.9	98.2	100.0								100.0	98.4	99.4
GE 10	98.3	99.8										99.6	99.8
GE 5	99.3	99.9										99.8	99.9
GE 0	99.8	100.0										99.9	100.0
GE -5	99.9											100.0	100.0
GE -10	100.0												100.0
MEAN	35.8	39.2	49.9	62.0	72.4	81.6	85.1	83.7	77.2	65.4	51.2	39.5	62.0
SD	12.61	12.14	13.18	11.75	9.76	7.47	5.93	6.03	8.70	10.30	11.60	11.69	20.40
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 75						1.1	2.8	1.4	.4				.5
GE 70				.1	.5	10.8	24.0	17.0	5.5	.2			4.9
GE 65				.6	7.0	35.5	55.8	44.1	19.6	1.3			13.8
GE 60	.1		.5	3.6	20.6	59.3	79.8	69.3	35.5	5.7	.9	.1	23.1
GE 55	.2	.1	2.5	10.6	38.5	80.2	94.2	88.1	52.7	14.9	3.2	.4	32.3
GE 50	.7	.4	5.8	21.2	58.6	94.6	99.3	97.3	73.0	27.1	8.2	1.5	40.9
GE 45	1.7	2.2	11.5	34.9	77.4	99.1	100.0	99.6	88.6	45.2	16.5	3.7	48.6
GE 40	4.1	5.6	20.1	53.2	90.9	99.9		100.0	96.7	67.0	27.4	8.7	56.4
GE 35	10.8	14.1	34.8	74.0	97.6	100.0			99.6	84.8	46.5	17.7	65.2
GE 33	15.7	20.0	43.2	81.5	98.7				99.8	90.5	56.2	24.6	69.4
GE 30	25.0	29.8	56.5	91.7	99.8				99.9	95.7	68.9	36.1	75.5
GE 25	43.3	49.9	77.2	98.2	100.0				100.0	99.1	85.8	56.1	84.3
GE 20	60.0	66.1	90.4	99.9						100.0	96.0	71.8	90.5
GE 15	70.6	77.8	95.9	100.0							98.5	83.1	93.9
GE 10	81.0	86.8	98.1								99.4	90.7	96.4
GE 5	88.5	92.6	99.4								99.9	94.6	97.9
GE 0	94.4	96.9	99.9								100.0	98.0	99.1
GE -5	97.6	99.3	100.0									99.0	99.7
GE -10	99.0	99.9										99.8	99.9
GE -15	99.7	100.0										99.9	100.0
GE -20	100.0											100.0	100.0
MEAN	20.8	23.1	31.6	41.3	51.5	60.9	64.7	62.8	55.5	44.1	34.5	25.1	43.1
SD	12.34	11.38	10.34	9.41	8.69	7.06	5.99	6.62	8.91	9.23	9.77	11.44	18.02
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.1						.0
GE 85						1.0	3.0	1.3	.3				.5
GE 80					.5	10.7	21.3	14.1	4.6				4.3
GE 75				.4	6.8	36.8	55.1	44.6	18.5	.9			13.7
GE 70			.2	3.6	21.5	61.9	85.0	76.7	37.6	4.4	.3		24.5
GE 65	.1		1.9	11.9	41.8	83.1	97.2	93.1	59.4	15.1	1.6	.1	34.0
GE 60	.2	.3	5.9	24.2	61.7	96.3	99.9	99.3	80.1	32.0	5.9	.7	42.4
GE 55	.9	1.5	13.3	38.6	79.6	99.2	100.0	99.9	93.4	51.2	13.7	2.3	49.7
GE 50	3.1	4.6	22.0	55.9	93.1	100.0		100.0	98.5	72.0	25.8	6.0	57.0
GE 45	8.1	12.2	35.3	75.8	98.4				99.8	88.1	42.8	13.8	64.8
GE 40	17.4	23.8	52.5	89.7	99.8				100.0	96.3	61.8	24.7	72.4
GE 35	31.2	39.7	70.4	97.0	100.0					99.4	79.4	41.9	80.1
GE 33	38.1	46.8	76.8	98.5						99.9	86.0	50.3	83.2
GE 30	49.9	59.3	86.7	99.6						100.0	92.7	62.0	87.7
GE 25	65.3	74.1	94.8	99.9							97.8	78.8	92.7
GE 20	76.1	85.0	97.9	100.0							99.2	88.8	95.6
GE 15	86.7	91.6	99.3								99.7	94.3	97.7
GE 10	93.7	96.5	99.9								100.0	97.2	99.0
GE 5	97.5	99.3	100.0									99.1	99.7
GE 0	99.2	99.9										99.7	99.9
GE -5	99.5	100.0										99.8	99.9
GE -10	99.9											100.0	100.0
GE -15	100.0												100.0
MEAN	28.4	31.4	40.9	51.8	62.1	71.4	75.1	73.4	66.5	54.9	43.0	32.5	52.8
SD	11.92	11.16	11.08	9.84	8.45	6.64	5.26	5.59	7.98	8.72	9.99	11.04	18.85
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										85	66	48	85*
38	43*	70*	82	84	88	90	94	92	92	85	77	58	94*
39	64	69	82	80	93	93	95	93	100	91	66	59	100
40	50	53	72	81	85	92	99	96	93	83	69	59	99
41	54	57	61	86	94	96	100	97	93	83	70	65	100
42	55	50	76	89	92	92	97	92	90	83	74	62	97
43	70	64	75	74	85	94	94	94	96	82	73	58	96
44	64	70	76	77	91	102	99	96	90	84	75	53	102
45	40	68	81	80	84	94	94	95	93	77	74	53	95
46	69	60	76	80	82	91	95	89	93	89	77	65	95
47	64	58	68	80	82	91	90	97	91	85	62	58	97
48	58	67	78	86	84	96	95	99	92	75	68	64	99
49	61	63	75	78	90	93	94	94	83	86	73	63	94
50	72	64	77	76	86	91	89	89	86	82	80	56	91
51	62	63	67	82	89	93	93	102	89	90	68	68	102
52	66	57	70	82	91	98	102	95	92	88	73	65	102
53	64	60	74	78	92	99	96	98	99	88	70	63	99
54	58	70	67	83	87	96	101	95	102	84	70	56	102
55	62	65	70	80	87	88	97	98	94	79	73	60	98
56	57	63	70	80	87	94	97	95	89	82	73	70	97
57	58	70	71	84	86	94	98	94	94	76	66	60	98
58	51	64	56	82	86	90	90	89	90	79	77	57	90
59	60	64	74	79	89	94	92	94	93	87	75	65	94
60	63	57	73	87	84	87	91	92	96	84	70	62	96
61	55	69	70	78	82	92	92	89	90	78	76	63	92
62	61	65	76	86	92	93	90	99	88	81	64	64	99
63	53	54	79	81	88	93	91	93	88	88	67	57	93
64	61	55	71	82	91	93	95	100	96	80	74	65	100
65	63	62	63	77	89	91	98	96	90	79	70	63	98
66	55	59	74	77	84	94	96	87	87	75	68	67	96
67	70	62	78	83	87	92	90	91	87	85	61	67	92
68	55	61	79	77	81	95	94	93	85	83	77	56	95
69	57	52	73	84	91	92	93	91	90	82	60	48	93
70	60	58	61	85	87	93	96	92	91	84	69	67	96

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	57	62	72	80	84	101	91	91	89	85	73	70	101
72	65	70	72	80	87	88	94	95	89	74	69	64	95
73	61	56	76	79	78	89	90	91	92	81	69	63	92
74	61	59	78	80	85	87	91	87	83	77	72	56	91
75	63	60	70	74	87	91	94	93	86	83	79	67	94
76	52	74	81	87	86	93	99	90	86	77	60	54	99
77	33	67	81	85	96	92	97	91	93	70	73	58	97
78	49	31	77	78	87	93	93	88	90	75	70	61	93
79	57	59	71	75	87	90	91	92	87	82	68	63	92
80	57	50	65	83	89	91	101	93	90	81	71	61	101
81	56	57	80	81	83	89	96	87	86	78	74	58	96
82	56	57	76	75	86	87	91	91	85	84	81	74	91
83	50	67	78	78	78	94	97	98	94	83	71	49	98
84	49	67	65	83	85	97	95	91	95	78	70	68	97
85	63	65	73	87	86	87	92	93	95	83	72	56	95
86	54	62	82	90	87	93	97	92	89	82	72	56	97
87	55	55	78	81	92	93	95	97	90	74	79	62	97
88	60	63	73	88	92	103	103	100	83	74	65	63	103
89	63	66	80	83	87	91	95	89	87	84	73	50	95
90	60	67	80	87	79	91	96	90					96*
.....													
GREATEST	72	74	82	90	96	103	103	102	102	91	81	74	103
.....													
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292
.....													

THE GREATEST VALUE OF 103 OCCURRED ON 06/25/88

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										22	7	0	0*
38	29*	15*	18	28	26	46	53	50	40	28	8	8	8*
39	10	-5	13	22	32	51	47	47	38	23	18	1	-5
40	-13	3	8	20	31	43	45	42	32	28	18	9	-13
41	4	6	7	29	34	47	49	50	41	29	22	14	4
42	-7	2	25	28	36	49	50	46	28	24	20	-9	-9
43	0	0	-1	23	28	44	50	48	36	29	17	2	-1
44	7	-4	12	22	34	45	51	47	40	25	22	2	-4
45	-1	2	27	29	32	41	50	47	46	32	20	-1	-1
46	0	3	23	29	36	46	52	40	41	31	22	14	0
47	3	-2	18	30	30	47	48	55	36	34	12	9	-2
48	-11	-8	2	30	36	46	54	50	43	27	26	8	-11
49	4	10	18	29	37	46	60	52	35	30	22	9	4
50	15	4	8	21	37	48	50	46	35	33	5	-6	-6
51	4	-11	18	31	42	47	54	49	34	31	17	-10	-11
52	8	18	19	29	38	48	53	47	41	20	16	11	8
53	9	13	16	25	44	46	53	50	41	33	24	1	1
54	8	13	16	26	34	45	55	51	42	30	24	10	8
55	-2	1	13	27	38	51	61	55	42	32	8	7	-2
56	5	16	15	30	37	47	57	50	36	33	11	20	5
57	-1	16	17	22	31	50	57	51	40	31	20	9	-1
58	8	-4	25	30	41	49	59	49	42	34	1	-7	-7
59	-7	5	17	33	36	50	58	56	36	32	12	13	-7
60	9	10	1	25	36	50	54	58	46	27	22	-4	-4
61	-8	5	22	23	32	46	56	55	40	27	20	2	-8
62	-7	3	10	27	41	50	52	50	34	20	23	-1	-7
63	-16	-6	11	29	30	47	50	51	35	30	25	-9	-16
64	-4	10	13	18	39	50	53	42	38	24	12	4	-4
65	-7	-4	14	21	41	50	53	42	38	23	21	17	-7
66	-8	4	16	26	26	40	50	51	42	26	17	0	-8
67	4	-1	6	26	33	48	50	48	36	26	19	9	-1
68	-7	1	11	29	33	54	52	48	45	29	26	7	-7
69	1	12	12	30	37	44	60	53	42	25	18	10	1
70	-9	-5	12	24	34	46	49	54	37	30	12	8	-9

E - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	1	-3	16	27	34	50	55	49	42	34	17	16	-3
72	-13	-2	13	18	37	40	46	47	41	24	21	1	-13
73	6	0	25	25	35	52	54	49	42	36	22	11	0
74	1	10	6	27	35	48	51	56	35	26	23	17	1
75	13	1	16	25	38	47	55	55	37	31	22	12	1
76	-2	3	20	25	35	56	55	45	41	22	12	-2	-2
77	-18	-8	20	27	37	48	55	51	44	28	17	0	-18
78	-5	-6	2	30	34	48	53	51	44	30	27	12	-6
79	-4	-5	16	23	32	47	51	47	42	31	24	12	-5
80	11	7	2	30	35	45	57	59	41	25	18	1	1
81	-2	-4	20	29	37	48	52	52	39	24	19	2	-4
82	-15	-6	15	20	43	47	51	48	45	31	19	13	-15
83	5	13	19	26	35	46	49	54	35	29	24	-11	-11
84	-16	7	-4	28	37	49	53	53	40	35	16	7	-16
85	-16	-9	21	26	41	46	56	56	40	31	24	0	-16
86	1	2	7	25	32	49	58	44	46	32	12	14	1
87	-3	14	19	24	35	51	55	51	41	27	20	15	-3
88	-3	-1	15	27	37	41	48	51	43	21	24	6	-3
89	16	7	18	28	34	51	57	48	35	28	18	-18	-18
90	20	10	18	24	39	38	51	50					10*
.....													
LEAST	-18	-11	-4	18	26	38	45	40	28	20	1	-18	-18
.....													
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292

THE LEAST VALUE OF -18 OCCURRED ON 01/17/77

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 74570C

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37										51	38	28	39*
38	36*	38*	46	53	61	68	74	74	66	54	44	34	56*
39	35	32	40	47	63	72	73	71	70	54	39	33	53
40	15	31	37	47	57	71	74	74	62	55	40	37	50
41	30	28	33	56	64	71	76	73	69	59	44	37	53
42	29	28	43	54	63	72	76	72	65	55	45	28	53
43	31	33	37	47	62	76	76	74	63	53	39	29	52
44	33	34	37	51	68	76	77	75	66	54	43	27	53
45	23	32	52	54	58	69	73	73	69	53	44	26	52
46	31	34	51	52	59	70	74	68	67	59	47	36	54
47	35	23	34	51	59	69	70	79	67	62	39	32	52
48	21	30	43	55	60	71	75	73	68	51	47	35	52
49	36	37	41	49	64	74	79	74	61	59	43	36	55
50	40	33	37	46	63	68	72	69	64	58	37	25	51
51	31	32	40	50	64	72	75	74	65	58	38	33	53
52	35	36	41	52	61	76	78	73	66	51	45	37	54
53	36	37	44	49	65	75	76	75	68	58	45	35	55
54	33	40	39	58	58	74	76	74	70	57	43	34	55
55	30	34	43	58	65	68	79	78	69	56	40	31	54
56	28	36	40	49	62	72	74	74	64	60	43	41	54
57	26	37	41	54	63	72	76	74	66	52	43	38	54
58	28	25	37	53	62	68	74	73	66	56	45	25	51
59	27	34	40	53	67	73	76	78	70	56	40	37	54
60	34	30	29	56	60	70	73	76	70	57	45	27	52
61	25	37	45	47	58	69	74	74	71	56	43	31	53
62	26	31	37	51	68	71	74	72	62	55	42	26	51
63	21	23	44	53	59	71	73	70	64	61	46	22	51
64	32	29	41	54	64	72	74	73	67	52	46	34	53
65	29	30	35	52	68	72	73	73	68	53	44	38	53
66	23	31	42	49	56	71	76	71	63	51	42	33	51
67	34	28	43	55	56	72	72	70	63	54	39	36	52
68	27	28	44	54	60	74	77	75	67	55	45	32	53
69	28	32	37	54	65	70	77	74	66	53	39	28	52
70	20	29	37	55	66	70	74	73	71	57	44	36	53

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: +05

PERIOD OF RECORD: 3710-9008
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	25	31	37	50	59	75	73	72	69	61	43	40	53
72	29	29	39	51	62	67	74	72	67	51	40	35	52
73	31	31	50	50	58	72	74	73	69	58	46	34	54
74	33	31	44	54	62	68	74	73	61	53	45	35	53
75	34	34	38	47	64	71	76	78	63	56	49	36	54
76	26	41	50	56	62	74	75	69	63	48	37	26	52
77	14	29	48	56	70	71	78	74	69	51	45	29	53
78	18	15	34	51	60	71	73	72	70	52	46	36	50
79	20	20	44	49	61	72	73	73	67	55	44	36	51
80	31	26	39	51	63	69	78	77	69	52	41	32	52
81	23	33	40	55	58	72	75	73	65	52	43	30	52
82	22	29	41	48	67	65	75	70	65	58	46	41	52
83	30	35	43	48	57	71	78	76	67	56	46	24	53
84	24	37	32	49	59	75	73	76	64	60	40	40	52
85	22	25	43	58	64	69	75	73	69	57	49	25	53
86	29	34	43	54	65	74	79	72	71	58	42	34	55
87	29	35	43	51	67	75	78	75	68	48	48	37	55
88	28	28	42	51	64	72	79	77	66	48	44	33	53
89	38	29	44	52	59	72	76	72	65	55	42	20	52
90	38	39	46	51	59	71	73	71					56*
.....													
MEAN	28.4	31.4	40.9	51.8	62.1	71.4	75.1	73.4	66.5	54.9	43.0	32.5	52.8
.....													
TOTAL OBS	1613	1493	1643	1590	1643	1590	1643	1643	1560	1643	1590	1641	19292
.....													

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	26.9	12.497	930	24	637	0	0	0	930
03-05	25.9	12.754	930	27	655	0	0	0	930
06-08	25.1	12.733	930	34	677	0	0	0	930
09-11	27.2	12.450	930	25	615	0	0	0	930
12-14	31.3	12.184	930	13	471	0	0	0	930
15-17	32.2	12.079	930	12	444	0	0	0	930
18-20	29.5	11.770	930	15	545	0	0	0	930
21-23	27.8	11.993	930	20	607	0	0	0	930
ALL HOURS	28.2	12.527	7440	170	4651	0	0	0	7440

MONTH: FEB

00-02	30.3	12.143	846	11	470	0	0	0	846
03-05	28.8	12.182	846	19	511	0	0	0	846
06-08	27.9	12.440	846	20	534	0	0	0	846
09-11	31.1	12.304	846	11	441	0	0	0	846
12-14	36.0	12.603	846	0	319	9	0	0	846
15-17	37.5	12.667	846	0	295	16	0	0	846
18-20	34.4	11.921	846	0	368	0	0	0	846
21-23	31.6	11.755	846	6	442	0	0	0	846
ALL HOURS	32.2	12.678	6768	67	3380	25	0	0	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	38.1	11.578	930	0	325	20	0	0	930
03-05	36.3	11.536	930	1	376	5	0	0	930
06-08	35.5	11.494	930	3	402	7	0	0	930
09-11	41.1	12.262	930	0	216	43	0	0	930
12-14	46.5	13.361	930	0	128	108	2	0	930
15-17	48.3	13.564	930	0	107	132	6	0	930
18-20	44.9	12.546	930	0	147	75	2	0	930
21-23	40.8	11.755	930	0	229	34	0	0	930
ALL HOURS	41.5	13.045	7440	4	1930	424	10	0	7440

MONTH: APR

00-02	46.9	10.347	900	0	73	43	0	0	900
03-05	44.9	10.471	900	0	111	28	0	0	900
06-08	45.4	10.702	900	0	110	38	0	0	900
09-11	53.0	11.596	900	0	29	153	11	0	900
12-14	58.2	12.425	900	0	10	287	51	0	900
15-17	59.7	12.681	900	0	9	335	60	0	900
18-20	56.0	11.752	900	0	13	223	18	0	900
21-23	50.4	10.435	900	0	30	88	0	0	900
ALL HOURS	51.8	12.584	7200	0	385	1195	140	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	56.8	8.636	930	0	0	191	0	0	930
03-05	54.5	8.881	930	0	1	135	0	0	930
06-08	56.2	8.841	930	0	0	175	1	0	930
09-11	64.4	9.295	930	0	0	467	49	0	930
12-14	68.9	9.989	930	0	0	617	146	0	930
15-17	69.9	9.855	930	0	0	659	179	0	930
18-20	66.9	9.253	930	0	0	562	86	0	930
21-23	60.5	8.598	930	0	0	326	3	0	930
ALL HOURS	62.3	10.789	7440	0	1	3132	464	0	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	66.0	7.107	900	0	0	555	9	0	900
03-05	63.4	7.319	900	0	0	443	3	0	900
06-08	65.9	7.254	900	0	0	546	10	0	900
09-11	74.1	7.472	899	0	0	803	223	4	899
12-14	78.7	7.919	900	0	0	868	431	19	900
15-17	79.8	7.893	900	0	0	866	493	24	900
18-20	76.5	7.337	900	0	0	847	316	7	900
21-23	69.8	6.769	900	0	0	705	47	0	900
ALL HOURS	71.8	9.501	7199	0	0	5633	1532	54	7199

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	70.4	5.667	930	0	0	773	35	0	930
03-05	68.2	5.924	930	0	0	681	8	0	930
06-08	70.0	6.008	930	0	0	770	41	0	930
09-11	78.3	6.058	930	0	0	921	402	4	930
12-14	82.8	6.495	930	0	0	926	638	63	930
15-17	83.8	6.446	930	0	0	928	710	75	930
18-20	80.5	6.236	930	0	0	928	532	22	930
21-23	73.8	5.668	930	0	0	884	151	0	930
ALL HOURS	76.0	8.364	7440	0	0	6811	2517	164	7440

MONTH: AUG

00-02	67.6	5.970	930	0	0	652	6	0	930
03-05	65.6	6.281	930	0	0	534	2	0	930
06-08	66.5	6.436	930	0	0	595	13	0	930
09-11	75.4	6.020	930	0	0	699	241	2	930
12-14	80.7	6.205	930	0	0	926	541	22	930
15-17	81.8	6.075	930	0	0	924	621	37	930
18-20	77.5	6.160	928	0	0	912	357	3	928
21-23	70.7	5.836	927	0	0	788	64	0	927
ALL HOURS	73.2	8.638	7435	0	0	6230	1845	64	7435

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	61.4	8.897	900	0	0	376	4	0	900
03-05	59.4	9.213	900	0	0	311	0	0	900
06-08	59.6	9.340	900	0	0	312	3	0	900
09-11	68.3	8.596	900	0	0	602	93	0	900
12-14	74.4	8.743	900	0	0	778	278	7	900
15-17	75.6	8.625	900	0	0	782	319	10	900
18-20	70.2	8.593	900	0	0	672	123	0	900
21-23	64.2	8.562	900	0	0	470	21	0	900
ALL HOURS	66.6	10.657	7200	0	0	4303	841	17	7200

MONTH: OCT

00-02	49.9	10.082	930	0	32	82	0	0	930
03-05	48.2	10.437	930	0	50	67	0	0	930
06-08	47.8	10.469	930	0	64	57	0	0	930
09-11	54.9	9.373	930	0	5	152	2	0	930
12-14	61.3	9.732	930	0	0	349	34	0	930
15-17	62.2	9.941	930	0	0	396	42	0	930
18-20	56.4	9.354	930	0	0	188	3	0	930
21-23	52.1	9.498	930	0	11	111	0	0	930
ALL HOURS	54.1	11.182	7440	0	162	1402	81	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	41.8	10.807	900	0	180	15	0	0	900
03-05	40.7	10.895	900	0	218	12	0	0	900
06-08	39.9	11.024	900	0	247	12	0	0	900
09-11	44.1	10.988	900	0	129	38	0	0	900
12-14	48.8	11.306	900	0	53	94	1	0	900
15-17	49.1	11.097	900	0	42	85	0	0	900
18-20	45.4	10.524	900	0	87	37	0	0	900
21-23	42.8	10.595	900	0	150	13	0	0	900
ALL HOURS	44.1	11.351	7200	0	1106	306	1	0	7200

MONTH: DEC

00-02	30.2	13.341	930	28	535	6	0	0	930
03-05	29.4	13.551	930	28	561	3	0	0	930
06-08	28.9	13.895	930	34	582	2	0	0	930
09-11	31.0	13.526	930	19	495	2	0	0	930
12-14	34.6	12.951	930	8	386	12	0	0	930
15-17	35.2	12.854	930	7	360	14	0	0	930
18-20	32.6	12.780	930	13	450	5	0	0	930
21-23	31.0	13.157	930	20	515	6	0	0	930
ALL HOURS	31.6	13.448	7440	157	3884	50	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	49.0	18.009	10956	63	2252	2713	54	0	10956
03-05	47.2	17.745	10956	75	2483	2219	13	0	10956
06-08	47.5	18.587	10956	91	2616	2514	68	0	10956
09-11	53.7	20.554	10955	55	1930	4080	1021	10	10955
12-14	58.6	20.940	10956	21	1367	4974	2122	111	10956
15-17	59.7	20.978	10956	19	1257	5137	2430	146	10956
18-20	56.0	20.383	10954	28	1610	4449	1437	32	10954
21-23	51.4	18.665	10953	46	1984	3425	286	0	10953
ALL HOURS	52.9	20.056	87642	398	15499	29511	7431	299	87642

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF	HOURS WITH	TEMPERATURES	DEG F	TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	24.9	11.846	930	728	18	0	0	0	930
03-05	24.1	12.138	930	740	17	0	0	0	930
06-08	23.5	12.212	930	753	13	0	0	0	930
09-11	25.2	11.835	930	699	18	0	0	0	930
12-14	28.1	11.154	930	619	22	0	0	0	930
15-17	28.7	10.876	930	604	19	0	0	0	930
18-20	26.8	10.998	930	667	16	0	0	0	930
21-23	25.5	11.292	930	713	15	0	0	0	930
ALL HOURS	25.8	11.690	7440	5523	138	0	0	0	7440

MONTH: FEB

00-02	28.1	11.534	846	541	25	0	0	0	846
03-05	27.0	11.671	846	577	24	0	0	0	846
06-08	26.3	12.038	846	600	31	0	0	0	846
09-11	28.7	11.689	846	526	48	0	0	0	846
12-14	32.0	11.268	846	437	64	0	0	0	846
15-17	32.9	11.085	846	406	61	0	0	0	846
18-20	30.9	10.971	846	461	40	0	0	0	846
21-23	29.1	11.193	846	514	27	0	0	0	846
ALL HOURS	29.4	11.629	6768	4062	320	0	0	0	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	35.0	10.647	930	433	106	0	0	0	930
03-05	33.7	10.699	930	478	84	0	0	0	930
06-08	33.1	10.667	930	504	71	0	0	0	930
09-11	36.7	10.643	930	338	137	0	0	0	930
12-14	39.8	10.793	930	242	190	3	0	0	930
15-17	40.8	10.733	930	205	212	1	0	0	930
18-20	39.0	10.430	930	273	167	0	0	0	930
21-23	36.8	10.500	930	358	137	0	0	0	930
ALL HOURS	36.9	10.944	7440	2831	1104	4	0	0	7440

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	43.0	9.519	900	119	253	0	0	0	900
03-05	41.6	9.760	900	158	223	0	0	0	900
06-08	42.1	9.886	900	159	224	0	0	0	900
09-11	46.5	9.838	900	65	340	9	0	0	900
12-14	49.1	9.952	900	41	415	27	0	0	900
15-17	49.8	9.916	900	33	441	25	2	0	900
18-20	47.9	9.657	900	50	380	11	3	0	900
21-23	45.1	9.275	900	77	296	0	0	0	900
ALL HOURS	45.6	10.158	7200	702	2572	72	5	0	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	52.4	8.367	930	0	558	36	0	0	930
03-05	50.8	8.762	930	3	496	31	0	0	930
06-08	52.1	8.583	930	5	544	42	2	0	930
09-11	56.4	8.140	930	0	723	97	22	0	930
12-14	58.4	7.962	930	0	784	148	36	0	930
15-17	58.7	7.735	930	0	798	145	37	0	930
18-20	57.4	7.738	930	0	764	120	23	0	930
21-23	54.5	8.115	930	0	650	70	5	0	930
ALL HOURS	55.1	8.641	7440	8	5317	689	125	0	7440

MONTH: JUN

00-02	61.1	6.861	900	0	846	223	28	0	900
03-05	59.5	7.070	900	0	814	172	12	0	900
06-08	61.1	6.773	900	0	846	210	25	0	900
09-11	65.0	6.405	899	0	888	388	110	1	899
12-14	66.5	6.282	900	0	894	464	172	4	900
15-17	66.7	5.896	900	0	894	470	148	0	900
18-20	65.3	5.930	900	0	890	410	96	0	900
21-23	62.9	6.357	900	0	873	300	40	0	900
ALL HOURS	63.5	6.915	7199	0	6945	2637	631	5	7199

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	66.3	5.632	930	0	927	470	113	0	930
03-05	64.9	5.933	930	0	923	405	84	0	930
06-08	66.0	5.785	930	0	925	465	122	2	930
09-11	69.7	5.180	930	0	930	680	282	21	930
12-14	70.9	5.137	930	0	930	738	364	39	930
15-17	71.0	4.872	929	0	929	750	373	30	929
18-20	70.1	4.905	930	0	930	709	320	12	930
21-23	67.9	5.132	930	0	930	579	194	1	930
ALL HOURS	68.4	5.762	7439	0	7424	4796	1852	105	7439

MONTH: AUG

00-02	64.1	5.820	930	0	918	375	46	0	930
03-05	62.8	6.182	930	0	905	324	24	0	930
06-08	63.4	6.177	930	0	908	327	40	0	930
09-11	67.8	5.412	930	0	928	583	187	1	930
12-14	69.3	5.392	930	0	930	663	273	10	930
15-17	69.3	5.173	930	0	930	659	264	7	930
18-20	68.0	5.298	928	0	926	581	181	4	928
21-23	65.7	5.499	927	0	922	445	79	1	927
ALL HOURS	66.3	6.171	7435	0	7367	3957	1094	23	7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	57.9	8.277	900	0	746	171	6	0	900
03-05	56.6	8.669	900	0	675	140	2	0	900
06-08	56.8	8.830	900	0	689	149	7	0	900
09-11	61.7	7.872	900	0	833	302	63	1	900
12-14	63.7	7.641	900	0	861	359	109	2	900
15-17	63.8	7.457	900	0	867	364	96	3	900
18-20	62.0	7.568	900	0	834	307	43	0	900
21-23	59.5	7.923	900	0	779	215	15	0	900
ALL HOURS	60.3	8.532	7200	0	6284	2007	341	6	7200

MONTH: OCT

00-02	46.6	9.855	930	58	330	11	0	0	930
03-05	45.3	10.162	930	90	305	12	0	0	930
06-08	45.0	10.237	930	101	288	17	0	0	930
09-11	49.6	8.987	930	17	436	31	3	0	930
12-14	52.6	8.841	930	1	571	78	5	0	930
15-17	52.8	8.748	930	0	581	73	2	0	930
18-20	50.1	8.978	930	11	465	27	0	0	930
21-23	47.8	9.282	930	34	375	7	0	0	930
ALL HOURS	48.7	9.840	7440	312	3351	256	10	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	38.6	10.078	900	297	149	0	0	0	900
03-05	37.8	10.268	899	315	141	0	0	0	899
06-08	37.3	10.443	900	321	136	0	0	0	900
09-11	40.3	10.026	900	223	177	0	0	0	900
12-14	43.2	9.874	900	140	236	2	0	0	900
15-17	43.3	9.661	900	138	240	0	0	0	900
18-20	41.0	9.786	900	189	194	0	0	0	900
21-23	39.2	9.908	900	276	169	0	0	0	900
ALL HOURS	40.1	10.227	7199	1899	1442	2	0	0	7199

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	28.3	12.707	930	624	53	0	0	0	930
03-05	27.6	12.941	930	627	48	0	0	0	930
06-08	27.2	13.296	930	630	49	0	0	0	930
09-11	29.0	12.953	930	581	55	0	0	0	930
12-14	31.5	12.210	930	521	74	0	0	0	930
15-17	31.9	12.068	930	497	79	0	0	0	930
18-20	30.2	12.336	930	556	69	0	0	0	930
21-23	28.9	12.630	930	607	65	0	0	0	930
ALL HOURS	29.3	12.753	7440	4643	492	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.6	17.091	10956	2800	4929	1286	193	0	10956
03-05	44.4	17.064	10955	2988	4655	1084	122	0	10955
06-08	44.6	17.644	10956	3073	4724	1210	196	2	10956
09-11	48.1	18.082	10955	2449	5513	2090	667	24	10955
12-14	50.5	17.452	10956	2001	5971	2482	959	55	10956
15-17	50.9	17.177	10955	1883	6051	2487	922	40	10955
18-20	49.1	17.399	10954	2207	5675	2165	666	16	10954
21-23	47.0	17.213	10953	2579	5238	1616	333	2	10953
ALL HOURS	47.5	17.556	87640	19980	42756	14420	4058	139	87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	20.0	13.471	930	660	79	927	0	930
03-05	19.3	13.743	930	661	72	929	0	930
06-08	18.9	13.872	930	685	71	927	0	930
09-11	20.1	13.501	930	653	68	927	0	930
12-14	21.3	12.936	930	635	76	928	0	930
15-17	21.4	12.812	930	637	84	926	0	930
18-20	20.6	12.934	930	662	80	924	0	930
21-23	20.2	12.980	930	669	72	924	0	930
ALL HOURS	20.2	13.322	7440	5262	602	7412	0	7440

MONTH: FEB

00-02	23.3	12.939	846	520	126	842	0	846
03-05	22.6	13.197	846	535	117	841	0	846
06-08	22.2	13.518	846	563	113	843	0	846
09-11	23.8	13.311	846	502	125	841	0	846
12-14	25.0	12.915	846	484	149	844	0	846
15-17	25.0	12.878	846	486	163	841	0	846
18-20	24.5	12.696	846	511	154	840	0	846
21-23	23.9	12.747	846	516	134	841	0	846
ALL HOURS	23.8	13.079	6768	4117	1081	6733	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	30.0	11.861	930	435	247	908	1	930
03-05	29.3	11.807	930	453	233	911	0	930
06-08	28.8	11.720	930	449	226	913	0	930
09-11	30.3	11.964	930	398	257	903	0	930
12-14	31.0	12.446	930	385	282	892	0	930
15-17	31.1	12.525	930	392	294	896	0	930
18-20	30.9	12.098	930	408	281	908	0	930
21-23	30.9	11.819	930	398	271	909	0	930
ALL HOURS	30.3	12.081	7440	3318	2091	7240	1	7440

MONTH: APR

00-02	38.3	10.869	900	160	460	845	0	900
03-05	37.5	11.058	900	177	439	842	0	900
06-08	37.9	11.047	900	178	464	838	0	900
09-11	39.4	11.783	900	163	510	807	1	900
12-14	39.8	12.329	900	167	511	799	6	900
15-17	39.9	12.279	900	159	521	801	8	900
18-20	39.4	11.943	900	155	498	803	6	900
21-23	39.2	11.032	900	138	494	825	0	900
ALL HOURS	38.9	11.597	7200	1297	3897	6560	21	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	48.4	9.771	930	6	804	677	37	930
03-05	47.5	10.031	930	9	769	696	32	930
06-08	48.5	9.824	930	7	809	687	46	930
09-11	50.0	10.266	930	9	833	632	69	930
12-14	50.2	10.441	930	3	835	631	86	930
15-17	49.9	10.597	930	7	815	634	73	930
18-20	49.6	10.517	930	12	806	641	73	930
21-23	49.4	9.887	930	9	834	646	53	930
ALL HOURS	49.2	10.235	7440	62	6505	5244	469	7440

MONTH: JUN

00-02	57.7	7.986	900	0	895	365	205	900
03-05	56.9	7.885	900	0	900	395	165	900
06-08	58.0	7.597	900	0	896	328	187	900
09-11	59.4	8.300	899	0	898	290	283	900
12-14	59.2	8.596	900	0	898	299	272	900
15-17	58.7	8.640	900	0	893	329	267	900
18-20	58.3	8.501	900	2	892	339	234	900
21-23	58.4	8.055	900	0	893	325	228	900
ALL HOURS	58.3	8.256	7199	2	7165	2670	1841	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	63.9	6.508	930	0	930	109	461	930
03-05	63.0	6.584	930	0	930	134	413	930
06-08	63.7	6.428	930	0	930	105	442	930
09-11	65.2	6.805	930	0	930	90	525	930
12-14	64.8	7.264	930	0	930	106	504	930
15-17	64.4	7.299	929	0	929	122	492	929
18-20	64.6	6.975	930	0	930	105	516	930
21-23	64.7	6.126	930	0	930	79	514	930
ALL HOURS	64.3	6.832	7439	0	7439	850	3867	7439

MONTH: AUG

00-02	62.0	6.429	930	0	930	161	391	930
03-05	61.1	6.685	930	0	930	204	354	930
06-08	61.5	6.646	930	0	930	174	366	930
09-11	63.6	6.812	930	0	929	133	490	930
12-14	63.2	7.420	930	0	928	162	475	930
15-17	62.5	7.503	930	0	927	180	437	930
18-20	62.7	7.001	928	0	928	165	436	930
21-23	62.8	6.300	927	0	927	134	432	930
ALL HOURS	62.4	6.874	7435	0	7429	1313	3381	7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	55.5	8.694	900	0	895	444	180	900
03-05	54.5	9.055	900	0	887	472	151	900
06-08	54.8	9.127	900	0	887	475	161	900
09-11	57.3	9.160	900	0	893	375	253	900
12-14	56.8	9.752	900	0	884	387	251	900
15-17	56.0	9.913	900	0	878	421	232	900
18-20	56.3	9.268	900	0	886	402	224	900
21-23	56.3	8.640	900	0	897	411	198	900
ALL HOURS	55.9	9.280	7200	0	7107	3387	1650	7200

MONTH: OCT

00-02	43.0	11.102	930	59	638	770	22	930
03-05	42.1	11.178	930	83	602	789	20	930
06-08	41.9	11.246	930	87	599	791	24	930
09-11	44.4	10.775	930	41	690	757	28	930
12-14	44.5	11.651	930	58	655	735	36	930
15-17	44.0	11.851	930	86	641	735	32	930
18-20	43.8	11.365	930	70	642	753	23	930
21-23	43.4	10.866	930	58	655	765	12	930
ALL HOURS	43.4	11.316	7440	542	5122	6095	197	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.1	11.342	900	314	356	859	0	900
03-05	33.7	11.393	899	314	335	870	0	899
06-08	33.4	11.592	900	306	313	876	0	900
09-11	35.5	11.203	900	238	364	846	0	900
12-14	36.6	11.500	900	220	399	827	0	900
15-17	36.2	11.690	900	235	390	837	0	900
18-20	35.3	11.514	900	257	365	838	0	900
21-23	34.4	11.229	900	295	352	852	0	900
ALL HOURS	34.9	11.504	7199	2179	2874	6805	0	7199

MONTH: DEC

00-02	24.0	14.074	930	575	160	924	0	930
03-05	23.6	14.196	930	583	147	923	0	930
06-08	23.3	14.504	930	585	145	922	0	930
09-11	24.6	14.390	930	541	162	909	0	930
12-14	25.6	14.269	930	533	187	903	0	930
15-17	25.7	14.272	930	522	188	905	0	930
18-20	25.1	14.260	930	524	181	909	0	930
21-23	24.5	14.246	930	554	165	910	0	930
ALL HOURS	24.6	14.317	7440	4417	1335	7305	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	41.8	18.504	10956	2729	6520	7831	1297	10956
03-05	41.0	18.478	10955	2815	6361	8006	1135	10955
06-08	41.2	18.873	10956	2860	6383	7879	1226	10956
09-11	42.9	19.035	10955	2545	6659	7510	1649	10955
12-14	43.2	18.680	10956	2485	6734	7513	1630	10956
15-17	43.0	18.495	10955	2524	6723	7627	1541	10955
18-20	42.7	18.598	10954	2601	6643	7627	1512	10954
21-23	42.4	18.574	10953	2637	6624	7621	1437	10953
ALL HOURS	42.3	18.672	87640	21196	52647	61614	11427	87640

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.9	99.4	95.3	83.1	63.7	36.2	15.2	74.0	930
03-05	100.0	100.0	100.0	99.0	94.9	87.3	67.4	37.0	15.4	75.0	930
06-08	100.0	100.0	99.8	98.9	96.5	88.3	69.6	41.3	15.7	75.8	930
09-11	100.0	100.0	100.0	99.4	93.5	83.1	60.9	33.8	13.8	73.3	930
12-14	100.0	100.0	99.2	95.6	83.1	63.2	40.3	19.5	8.3	65.5	930
15-17	100.0	100.0	98.6	93.7	77.4	56.8	35.7	19.1	8.3	63.7	930
18-20	100.0	100.0	99.7	98.0	88.8	70.9	45.9	23.0	8.8	68.3	930
21-23	100.0	100.0	99.7	99.1	92.3	78.7	58.5	29.8	13.4	71.9	930
ALL HOURS	100.0	100.0	99.6	97.9	90.2	76.4	55.2	30.0	12.4	70.9	7440

MONTH: FEB

00-02	100.0	100.0	100.0	99.5	95.3	86.2	64.7	36.2	14.4	74.3	846
03-05	100.0	100.0	100.0	99.3	97.0	90.0	72.5	39.5	18.2	76.3	846
06-08	100.0	100.0	100.0	99.6	98.5	93.7	78.0	44.8	18.3	78.0	846
09-11	100.0	100.0	100.0	99.1	93.4	80.9	60.8	37.4	15.7	73.4	846
12-14	100.0	100.0	98.6	90.7	77.1	60.0	40.7	24.2	9.1	64.8	846
15-17	100.0	99.8	96.7	85.3	70.1	53.8	35.1	21.0	8.9	61.7	846
18-20	100.0	100.0	99.3	94.7	83.0	65.6	44.6	24.5	10.0	66.9	846
21-23	100.0	100.0	100.0	99.4	94.4	78.7	57.0	30.3	13.7	72.2	846
ALL HOURS	100.0	100.0	99.3	96.0	88.6	76.1	56.6	32.2	13.5	71.0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	97.6	92.2	79.0	59.5	35.3	14.5	72.5	930
03-05	100.0	100.0	100.0	98.8	95.3	85.4	68.6	41.8	17.2	75.5	930
06-08	100.0	100.0	100.0	98.6	95.9	87.5	69.7	43.4	17.8	76.2	930
09-11	100.0	100.0	99.6	93.1	80.4	63.3	41.5	26.5	12.3	66.3	930
12-14	100.0	100.0	94.1	76.5	57.6	40.5	28.7	18.4	5.9	56.8	930
15-17	100.0	99.6	90.1	68.0	52.0	36.3	25.2	15.5	4.8	53.9	930
18-20	100.0	100.0	96.5	82.5	63.9	47.4	32.7	20.4	6.3	59.7	930
21-23	100.0	100.0	99.8	96.3	85.8	68.5	47.2	27.2	10.1	68.2	930
ALL HOURS	100.0	99.9	97.5	88.9	77.9	63.5	46.6	28.6	11.1	66.1	7440

MONTH: APR

00-02	100.0	100.0	99.7	98.4	91.9	79.8	57.2	36.7	16.8	72.9	900
03-05	100.0	100.0	99.8	99.0	95.7	84.8	65.8	42.7	20.9	76.0	900
06-08	100.0	100.0	100.0	99.3	95.4	85.6	66.6	43.3	19.8	75.8	900
09-11	100.0	100.0	97.8	87.7	71.6	53.3	33.6	21.7	9.1	62.1	900
12-14	100.0	99.7	90.9	72.1	51.4	34.9	21.6	12.2	5.3	53.2	900
15-17	100.0	98.8	88.3	66.3	46.4	30.1	19.8	10.7	4.7	51.0	900
18-20	100.0	99.8	93.8	76.8	56.3	41.3	29.1	17.3	7.8	56.9	900
21-23	100.0	100.0	98.9	94.4	82.1	62.8	44.4	28.3	13.2	67.2	900
ALL HOURS	100.0	99.8	96.1	86.8	73.9	59.1	42.3	26.6	12.2	64.4	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.6	95.8	85.9	67.0	39.5	13.2	74.4	930
03-05	100.0	100.0	100.0	100.0	97.3	91.0	76.3	49.8	18.3	78.1	930
06-08	100.0	100.0	100.0	99.7	97.4	88.3	72.3	42.7	16.2	76.3	930
09-11	100.0	100.0	98.9	90.0	74.4	53.5	34.1	16.7	4.9	61.7	930
12-14	100.0	99.7	92.6	76.9	54.1	36.8	22.7	11.4	4.5	54.3	930
15-17	100.0	99.6	90.1	69.6	48.5	34.2	21.8	12.3	4.0	52.4	930
18-20	100.0	99.9	94.7	80.9	58.4	42.3	28.0	15.8	5.7	56.9	930
21-23	100.0	100.0	99.8	97.6	88.2	70.1	48.4	26.5	11.0	68.5	930
ALL HOURS	100.0	99.9	97.0	89.3	76.8	62.8	46.3	26.8	9.7	65.3	7440

MONTH: JUN

00-02	100.0	100.0	100.0	99.7	97.9	89.9	72.0	40.3	12.2	75.6	900
03-05	100.0	100.0	100.0	100.0	99.0	95.9	84.7	57.8	21.3	80.0	900
06-08	100.0	100.0	100.0	100.0	98.3	92.2	74.2	43.0	13.8	76.4	900
09-11	100.0	100.0	99.2	93.1	78.4	56.2	33.1	12.5	3.2	62.0	899
12-14	100.0	99.9	94.8	79.6	57.4	33.8	15.4	4.4	1.2	53.3	900
15-17	100.0	99.6	92.7	75.2	48.3	29.1	15.6	6.1	2.1	51.2	900
18-20	100.0	99.8	95.0	83.4	62.1	40.0	22.1	8.9	2.2	55.8	900
21-23	100.0	100.0	99.8	97.3	90.7	76.6	48.4	23.1	5.9	68.7	900
ALL HOURS	100.0	99.9	97.7	91.0	79.0	64.2	45.7	24.5	7.8	65.4	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.9	99.4	97.2	85.4	55.3	21.2	80.5	930
03-05	100.0	100.0	100.0	100.0	100.0	99.4	95.4	69.7	28.6	83.8	930
06-08	100.0	100.0	100.0	100.0	99.1	97.3	88.9	59.8	22.7	81.1	930
09-11	100.0	100.0	99.4	97.2	88.6	66.2	38.2	14.4	5.4	65.5	930
12-14	100.0	99.9	97.4	91.0	66.1	37.8	17.3	7.5	1.9	56.4	930
15-17	100.0	99.7	96.2	84.8	58.4	30.9	15.4	7.3	2.9	54.2	929
18-20	100.0	99.9	97.5	93.2	77.1	49.0	25.4	12.3	4.9	60.6	930
21-23	100.0	100.0	99.9	99.1	97.2	90.2	68.2	29.4	12.6	74.2	930
ALL HOURS	100.0	99.9	98.8	95.7	85.8	71.0	54.3	32.0	12.5	69.5	7439

MONTH: AUG

00-02	100.0	100.0	100.0	99.9	99.7	99.2	93.4	67.5	24.5	82.6	930
03-05	100.0	100.0	100.0	100.0	100.0	99.0	96.9	81.1	37.5	85.5	930
06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.3	73.8	32.3	84.4	930
09-11	100.0	100.0	100.0	99.4	92.2	75.1	45.6	18.2	4.9	68.1	930
12-14	100.0	100.0	99.7	93.0	66.2	37.6	17.0	6.3	1.9	56.8	930
15-17	100.0	100.0	99.8	85.2	55.7	28.9	13.3	5.5	1.9	53.7	930
18-20	100.0	100.0	100.0	96.2	79.1	54.1	29.0	10.1	3.3	61.8	928
21-23	100.0	100.0	100.0	100.0	99.5	96.2	78.1	34.8	10.5	76.5	927
ALL HOURS	100.0	100.0	99.9	96.7	86.5	73.7	58.6	37.2	14.6	71.2	7435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	100.0	98.8	88.0	61.9	22.4	81.4	900
03-05	100.0	100.0	100.0	100.0	100.0	100.0	95.3	74.7	28.1	84.2	900
06-08	100.0	100.0	100.0	100.0	100.0	100.0	96.2	74.8	32.6	84.5	900
09-11	100.0	100.0	100.0	99.1	92.7	76.2	46.8	22.0	7.8	69.0	900
12-14	100.0	100.0	99.0	88.9	62.1	34.6	16.3	7.8	3.0	55.8	900
15-17	100.0	100.0	98.2	80.7	51.1	28.7	13.0	6.9	2.2	52.5	900
18-20	100.0	100.0	99.8	95.8	81.3	57.0	32.0	14.1	5.0	63.1	900
21-23	100.0	100.0	100.0	100.0	99.6	95.2	72.1	39.9	13.0	76.4	900
ALL HOURS	100.0	100.0	99.6	95.6	85.8	73.8	57.5	37.8	14.3	70.9	7200

MONTH: OCT

00-02	100.0	100.0	100.0	99.8	97.3	89.8	74.9	51.1	20.6	77.7	930
03-05	100.0	100.0	100.0	99.8	98.3	92.8	80.0	56.9	23.1	79.8	930
06-08	100.0	100.0	100.0	99.8	98.9	94.4	81.0	59.6	22.0	80.3	930
09-11	100.0	100.0	99.9	97.1	87.5	69.6	49.6	28.3	11.7	69.1	930
12-14	100.0	100.0	97.8	82.7	59.2	36.7	23.2	14.3	6.7	56.3	930
15-17	100.0	100.0	94.3	74.2	52.3	33.2	22.6	15.1	7.1	54.2	930
18-20	100.0	100.0	99.5	93.4	79.2	58.0	37.3	21.9	8.8	64.3	930
21-23	100.0	100.0	100.0	98.8	93.9	82.6	60.4	38.2	14.0	73.2	930
ALL HOURS	100.0	100.0	98.9	93.2	83.3	69.6	53.6	35.7	14.3	69.4	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	98.9	95.9	84.3	65.1	39.2	16.1	74.5	900
03-05	100.0	100.0	99.8	99.1	96.2	87.2	70.3	45.7	17.7	76.2	899
06-08	100.0	100.0	100.0	98.8	97.3	90.2	76.4	47.7	18.4	77.7	900
09-11	100.0	100.0	99.6	98.4	92.4	79.8	60.6	35.8	11.6	72.6	900
12-14	100.0	100.0	98.8	91.3	75.9	58.9	41.3	26.0	9.4	64.5	900
15-17	100.0	99.8	98.1	87.7	72.2	55.4	38.2	23.0	8.9	62.9	900
18-20	100.0	100.0	99.6	97.3	86.9	69.6	47.6	27.4	11.9	68.6	900
21-23	100.0	100.0	100.0	99.0	93.7	80.9	57.6	33.3	14.6	72.7	900
ALL HOURS	100.0	100.0	99.5	96.3	88.8	75.8	57.1	34.8	13.6	71.2	7199

MONTH: DEC

00-02	100.0	100.0	100.0	99.7	97.6	89.0	70.4	42.3	19.5	76.7	930
03-05	100.0	100.0	100.0	99.9	98.4	91.1	71.6	46.5	22.5	77.7	930
06-08	100.0	100.0	100.0	99.9	99.5	91.6	74.4	49.9	23.4	78.7	930
09-11	100.0	100.0	100.0	99.7	97.1	86.5	67.5	44.3	18.5	76.2	930
12-14	100.0	100.0	99.8	97.2	88.0	70.4	48.8	28.8	12.6	69.0	930
15-17	100.0	100.0	99.4	95.3	85.9	67.7	44.3	28.7	11.7	68.0	930
18-20	100.0	100.0	100.0	98.5	92.9	80.8	58.8	34.9	14.3	73.0	930
21-23	100.0	100.0	100.0	99.5	96.7	87.7	66.3	41.0	18.4	75.9	930
ALL HOURS	100.0	100.0	99.9	98.7	94.5	83.1	62.8	39.5	17.6	74.4	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.4	96.5	88.5	71.8	45.2	17.6	76.4	10956
03-05	100.0	100.0	100.0	99.6	97.7	92.0	78.8	53.7	22.4	79.0	10955
06-08	100.0	100.0	100.0	99.6	98.1	92.4	78.6	52.1	21.1	78.8	10956
09-11	100.0	100.0	99.5	96.1	86.8	70.3	47.6	25.9	9.9	68.3	10955
12-14	100.0	99.9	96.9	86.3	66.5	45.4	27.7	15.0	5.8	58.9	10956
15-17	100.0	99.7	95.2	80.5	59.9	40.4	25.0	14.2	5.6	56.6	10955
18-20	100.0	99.9	97.9	90.9	75.7	56.3	36.0	19.2	7.4	63.0	10954
21-23	100.0	100.0	99.8	98.4	92.8	80.7	58.9	31.8	12.5	72.1	10953
ALL HOURS	100.0	99.9	98.7	93.8	84.3	70.7	53.1	32.1	12.8	69.1	87640

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1019.5	1019.6	1017.5	1014.9	1015.1	1015.1	1016.7	1017.1	1018.5	1019.6	1018.4	1020.4	1017.7
	SD	8.243	9.197	8.295	6.869	5.026	4.130	3.529	3.540	5.032	5.952	7.789	8.193	6.844
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
0400	MEAN	1019.5	1019.3	1017.2	1014.6	1015.0	1015.0	1016.5	1017.0	1018.4	1019.5	1018.4	1020.4	1017.6
	SD	8.454	9.395	8.381	7.039	5.195	4.320	3.642	3.702	5.154	6.222	7.944	8.379	7.016
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	1019.9	1019.9	1018.0	1015.6	1016.0	1016.0	1017.5	1017.9	1019.4	1020.3	1018.9	1020.6	1018.3
	SD	8.627	9.560	8.473	7.216	5.377	4.384	3.785	3.786	5.254	6.341	8.134	8.632	7.110
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
1000	MEAN	1020.8	1020.6	1018.7	1016.0	1016.3	1016.2	1017.8	1018.3	1019.9	1021.0	1019.6	1021.5	1018.9
	SD	8.762	9.660	8.637	7.308	5.390	4.338	3.758	3.776	5.235	6.356	8.395	8.726	7.240
	TOT OBS	310	282	310	300	309	299	310	310	300	310	300	310	3650
1300	MEAN	1019.6	1019.8	1017.9	1015.2	1015.5	1015.6	1017.2	1017.5	1018.9	1019.8	1018.4	1020.2	1018.0
	SD	8.611	9.531	8.498	7.068	5.199	4.233	3.629	3.667	5.123	6.093	8.306	8.707	7.068
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	1019.0	1018.9	1016.6	1014.0	1014.6	1014.5	1016.0	1016.4	1017.5	1018.9	1017.7	1019.9	1017.0
	SD	8.258	9.277	8.261	6.907	4.942	4.110	3.580	3.621	4.998	5.796	7.986	8.401	6.892
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1900	MEAN	1019.8	1019.7	1017.1	1014.2	1014.4	1014.3	1015.7	1016.2	1017.7	1019.4	1018.4	1020.7	1017.3
	SD	7.973	9.224	8.008	6.729	4.792	3.973	3.485	3.492	4.898	5.745	7.889	8.231	6.862
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
2200	MEAN	1020.0	1020.0	1017.7	1015.1	1015.3	1015.2	1016.7	1017.2	1018.5	1019.9	1018.6	1020.9	1017.9
	SD	7.945	9.210	8.079	6.719	4.861	3.907	3.429	3.485	4.903	5.910	7.848	8.141	6.774
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL HOURS	MEAN	1019.8	1019.7	1017.6	1014.9	1015.3	1015.2	1016.8	1017.2	1018.6	1019.8	1018.5	1020.6	1017.8
	SD	8.378	9.395	8.353	7.013	5.138	4.226	3.665	3.692	5.134	6.086	8.055	8.441	7.000
	TOT OBS	2480	2256	2479	2400	2479	2399	2480	2478	2400	2480	2399	2479	29209

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.08	30.09	30.03	29.97	29.97	29.99	30.04	30.05	30.09	30.11	30.07	30.11	30.05
	SD	.236	.262	.238	.200	.145	.121	.103	.102	.143	.171	.224	.233	.194
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
0400	MEAN	30.08	30.08	30.02	29.96	29.98	29.99	30.04	30.05	30.09	30.11	30.06	30.11	30.05
	SD	.241	.268	.241	.205	.152	.126	.106	.107	.146	.179	.229	.238	.200
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
0700	MEAN	30.09	30.09	30.05	29.99	30.01	30.02	30.07	30.07	30.12	30.13	30.08	30.11	30.07
	SD	.247	.272	.243	.210	.156	.128	.110	.109	.150	.182	.234	.245	.203
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.11	30.11	30.07	30.00	30.02	30.03	30.07	30.09	30.13	30.15	30.10	30.14	30.08
	SD	.250	.275	.248	.212	.157	.127	.110	.109	.149	.183	.241	.249	.206
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.08	30.09	30.04	29.98	30.00	30.01	30.06	30.07	30.10	30.11	30.06	30.10	30.06
	SD	.246	.273	.245	.206	.151	.124	.106	.106	.147	.176	.239	.249	.202
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.06	30.07	30.01	29.94	29.97	29.98	30.02	30.03	30.06	30.09	30.04	30.09	30.03
	SD	.236	.265	.237	.201	.144	.120	.104	.104	.143	.168	.231	.240	.196
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1900	MEAN	30.09	30.09	30.02	29.95	29.96	29.97	30.02	30.03	30.06	30.10	30.06	30.12	30.04
	SD	.228	.263	.230	.197	.139	.116	.101	.101	.140	.165	.226	.234	.194
	TOT OBS	310	282	310	300	310	300	309	309	300	310	300	310	3650
2200	MEAN	30.09	30.09	30.04	29.97	29.99	30.00	30.04	30.05	30.09	30.12	30.07	30.12	30.06
	SD	.227	.262	.232	.196	.141	.114	.100	.101	.140	.170	.225	.232	.192
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL HOURS	MEAN	30.09	30.09	30.04	29.97	29.99	30.00	30.05	30.06	30.09	30.11	30.07	30.11	30.05
	SD	.239	.268	.240	.204	.149	.124	.107	.107	.146	.175	.232	.240	.199
	TOT OBS	2480	2256	2480	2400	2480	2400	2479	2478	2399	2480	2399	2480	29211

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH PERIOD OF RECORD: SEP 80 - AUG 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.19	29.20	29.15	29.08	29.10	29.11	29.16	29.16	29.20	29.22	29.18	29.22	29.16
	SD	.230	.256	.232	.195	.141	.117	.101	.100	.141	.167	.219	.228	.190
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
0400	MEAN	29.19	29.19	29.14	29.07	29.09	29.10	29.15	29.16	29.20	29.22	29.17	29.22	29.16
	SD	.236	.262	.235	.201	.148	.123	.104	.105	.143	.175	.224	.233	.195
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
0700	MEAN	29.20	29.20	29.16	29.10	29.12	29.13	29.18	29.19	29.23	29.24	29.19	29.22	29.18
	SD	.241	.266	.237	.205	.153	.125	.108	.107	.147	.177	.229	.240	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	29.23	29.22	29.18	29.11	29.13	29.14	29.19	29.20	29.24	29.26	29.21	29.25	29.20
	SD	.244	.268	.242	.207	.153	.124	.108	.107	.146	.179	.236	.244	.201
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	29.19	29.20	29.16	29.09	29.11	29.12	29.17	29.18	29.21	29.23	29.17	29.21	29.17
	SD	.241	.266	.239	.201	.147	.121	.105	.104	.144	.171	.234	.243	.197
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	29.18	29.18	29.12	29.06	29.08	29.09	29.14	29.14	29.17	29.20	29.16	29.20	29.14
	SD	.231	.259	.232	.197	.140	.117	.102	.102	.140	.164	.226	.234	.192
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1900	MEAN	29.20	29.20	29.14	29.06	29.08	29.08	29.13	29.14	29.17	29.21	29.17	29.23	29.15
	SD	.222	.257	.225	.192	.135	.113	.098	.098	.137	.162	.221	.228	.189
	TOT OBS	310	282	310	300	310	300	309	309	300	310	300	310	3650
2200	MEAN	29.20	29.20	29.15	29.09	29.10	29.11	29.16	29.17	29.20	29.23	29.18	29.23	29.17
	SD	.221	.256	.226	.191	.138	.111	.098	.099	.137	.166	.220	.227	.187
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL HOURS	MEAN	29.20	29.20	29.15	29.08	29.10	29.11	29.16	29.17	29.20	29.23	29.18	29.22	29.17
	SD	.234	.262	.234	.199	.146	.120	.105	.104	.144	.171	.226	.235	.194
	TOT OBS	2480	2256	2480	2400	2480	2400	2479	2478	2399	2480	2399	2480	29211

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.6	1.0		930	7.6	1.1		930	7.1	.6		930	9.0	1.2		930
CATEGORY B	11.7	5.0	.4	1044	10.7	5.3	.4	1047	10.8	4.6	.2	1074	13.4	6.0	.1	1149

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	13.4	1.5		930	14.0	1.9		930	9.0	1.7		930	9.7	2.3		930
CATEGORY B	19.1	7.6	.6	1090	19.8	8.0	.9	1082	12.5	6.0	.7	1037	11.8	5.8	.7	1053

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.5	1.4		4650	9.8	1.4		7440
CATEGORY B	15.1	6.4	.5	5432	13.8	6.1	.5	8576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.7	.5		844	3.9			843	3.9			845	7.3	.7	.1	846
CATEGORY B	7.7	2.8		941	5.4	1.5		969	5.3	1.4		1025	10.2	3.5	1.0	1038

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.5	1.7		846	13.1	1.3		846	7.2	.8		846	7.3	.4		846
CATEGORY B	17.0	6.0	1.3	991	17.0	7.3	2.4	978	9.1	4.1	.6	955	8.8	3.5		936

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.8	.9	.0	4229	7.6	.7	.0	6762
CATEGORY B	11.7	4.4	1.0	4987	10.0	3.7	.7	7833

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.4	.9		930	7.0	1.1		930	6.0	1.1		930	11.1	.5		930
CATEGORY B	7.4	3.6	.5	1009	9.9	4.3	.6	1037	8.6	3.1	.2	1099	15.9	5.2	.3	1074

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	14.9	1.2		930	14.2	1.8		930	7.7	.2		930	5.5	1.0		930
CATEGORY B	20.9	7.4	.4	1037	20.8	6.9	.8	1021	12.0	3.6	.2	1020	8.0	3.5	.2	1016

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.8	1.0		4650	9.0	1.0		7440
CATEGORY B	15.5	5.2	.4	5251	12.9	4.7	.4	8313

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.6	.8		900	5.1	.8		900	6.1	.4		900	12.7	1.8		900
CATEGORY B	8.1	3.7	.6	975	7.7	3.6	.5	1017	7.7	3.5	.5	1029	16.0	9.0	.5	1003

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	18.3	2.2		900	17.2	2.6		900	9.6	1.2		900	5.6	1.0		900
CATEGORY B	24.6	12.2	.8	988	23.9	13.4	1.6	991	12.8	6.7	.9	992	8.5	4.2	1.0	984

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.8	1.6		4500	10.0	1.3		7200
CATEGORY B	16.9	8.9	.9	5003	13.6	7.0	.8	7979

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.8			930	1.0			930	1.6			930	3.5	.2		930
CATEGORY B	1.4	.5	.1	1028	1.8	.7		1064	2.4	.9		1070	6.2	2.0		1009

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.5	.8		930	7.0	1.2		930	2.8	.3		930	1.8			930
CATEGORY B	11.7	4.3	.2	1022	11.1	5.0	.9	1041	4.9	1.9	.1	1033	3.2	.6		996

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.3	.5		4650	3.1	.3		7440
CATEGORY B	7.3	2.8	.2	5175	5.3	2.0	.2	8263

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUN

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CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
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TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4			900	.2			900	.7			900	2.3			900
CATEGORY B	.9	.5		956	.5	.4		1014	1.2	.2		1028	4.2	1.3		994

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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.7			900	5.0			900	2.1	.2		900	1.1	.4		900
CATEGORY B	9.4	2.6	.1	969	7.2	1.8		990	4.5	2.0	.5	965	1.7	1.0	.2	957

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TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.2	.0		4500	2.2	.1		7200
CATEGORY B	5.2	1.6	.1	4946	3.7	1.2	.1	7873

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3			930	.1			930	.1			930	.4	.1		930
CATEGORY B	.5			987	.2	.1	.1	1058	.2			1094	1.0	.4	.1	1017

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.9			930	2.7	.1		930	.6	.2		930	.6			930
CATEGORY B	4.2	1.6		1022	4.2	1.7		1021	1.8	1.0	.3	1035	.9	.4		1001

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.2	.1		4650	.9	.1		7440
CATEGORY B	2.3	.9	.1	5189	1.6	.6	.1	8235

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.1	.1		930				930	.2			930	.1			930
CATEGORY B	.2	.2	.1	975	.2	.1		1071	.3	.1		1079	.8	.1		1030

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.6			930	2.8			930	1.0			928	.3			927
CATEGORY B	3.6	.8	.1	1003	4.9	1.7	.4	1006	1.6	.8	.2	998	.9	.5	.1	968

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.1			4648	.8	.0		7435
CATEGORY B	2.2	.7	.1	5116	1.5	.5	.1	8130

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.8	.2		900	.9			900	.4			900	1.3			900
CATEGORY B	1.5	1.0		946	1.7	.7		997	.9	.2		1054	2.0	.4		1003

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6			900	3.3	.2		900	.8	.1		900	1.1			900
CATEGORY B	4.6	.7	.1	977	5.7	1.3	.2	948	1.8	.5		962	1.8	.5		929

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.7	.1		4500	1.4	.1		7200
CATEGORY B	3.0	.6	.1	4944	2.5	.7	.0	7816

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700 STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.6			930	1.4			930	1.2			930	4.4	.2		930
CATEGORY B	2.4	1.0		995	2.8	1.3	.2	1029	1.8	.3		1081	6.5	1.9	.1	1011

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.1	.6		930	7.7	.5		930	3.9	.3		930	2.5	.2		930
CATEGORY B	11.6	3.5	.2	998	9.7	3.5		1002	5.2	1.7		986	3.9	1.6		985

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.1	.3		4650	3.8	.2		7440
CATEGORY B	6.9	2.1	.1	5078	5.4	1.8	.1	8087

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.3	.3		900	4.4			900	6.2	.6		900	8.9	.8		900
CATEGORY B	7.7	2.9		977	6.6	2.1		995	8.4	3.4		1033	12.2	5.1	.4	1022

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.0	1.2		900	11.4	.8		900	7.2	.4		900	6.9	.8		900
CATEGORY B	16.6	8.3	.9	1027	15.8	6.3		1007	9.5	3.0	.1	991	9.1	3.8		991

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	9.2	.8		4500	7.9	.6		7200
CATEGORY B	12.5	5.2	.3	5080	10.8	4.4	.2	8043

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.9	.3		930	7.2	.9	.1	930	5.5	.9		930	8.8	.5		930
CATEGORY B	11.7	4.3	.1	1030	10.2	5.9	.4	1037	8.5	4.4	.2	1045	11.9	3.8	.2	1075

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.6	1.8		930	9.9	1.6		930	8.2	1.4		930	7.3	1.2		930
CATEGORY B	15.7	5.9	.8	1042	12.9	5.1	.9	1042	10.8	5.4	.9	1021	10.6	3.8	.2	1029

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.6	1.2		4650	8.3	1.1	.0	7440
CATEGORY B	12.0	4.9	.6	5225	11.5	4.8	.4	8321

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: SEP 80 - AUG 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.7	.3		10954	3.2	.3	.0	10953	3.2	.3		10955	5.8	.5	.0	10956
CATEGORY B	5.2	2.1	.2	11863	4.8	2.2	.2	12335	4.6	1.8	.1	12711	8.5	3.3	.2	12425

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	9.0	.9		10956	9.0	1.0		10956	5.0	.6		10954	4.1	.6		10953
CATEGORY B	13.3	5.1	.5	12166	12.8	5.2	.7	12129	7.2	3.1	.4	11995	5.8	2.5	.2	11845

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.4	.7	.0	54777	5.4	.6	.0	87637
CATEGORY B	9.3	3.7	.4	61426	7.8	3.1	.3	97469

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HH
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: JAN 39 - AUG 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1939	936	903	726	523	140	7			34	318	760	935	5282
1940	1510	****	854	524	239	18	12	12	126	294	713	847	5149
1941	1061	1026	950	273	130	14			33	220	614	837	5158
1942	1098	1013	646	316	133	15		11	141	277	587	1122	5359
1943	1032	888	847	518	127	7		3	114	331	737	1075	5679
1944	958	855	833	395	63	7		7	49	320	629	1158	5274
1945	1277	904	400	319	232	58	4	3	27	344	609	1177	5354
1946	1013	827	379	364	163	24		26	26	187	514	854	4377
1947	905	1142	948	414	208	24	12		127	104	757	989	5630
1948	1330	975	668	303	157	10		1	47	415	528	909	5343
1949	871	779	717	447	125	4			146	213	643	875	4820
1950	767	879	853	563	107	30	2	14	98	197	819	1213	5542
1951	1025	931	767	479	112	8		1	86	265	817	992	5483
1952	909	848	752	399	150	2		3	57	441	582	875	5018
1953	889	772	640	483	69	6		1	63	232	591	900	4646
1954	964	677	801	249	248	26		1	29	316	650	957	4918
1955	1081	868	679	222	82	30			32	283	733	1045	5055
1956	1135	839	757	473	169	38		2	89	157	650	737	5046
1957	1190	777	729	375	135	11			69	392	639	827	5144
1958	1116	1100	845	366	123	28		3	55	297	583	1236	5752
1959	1159	861	763	345	89	13			55	318	740	852	5195
1960	961	988	1109	290	195	3			21	265	594	1177	5603
1961	1217	770	609	545	229	31			55	285	647	1056	5444
1962	1188	955	846	429	68	15	1	1	156	322	693	1195	5869
1963	1351	1158	640	377	204	18	1	13	91	149	569	1327	5898
1964	1031	1032	734	347	92	22	1	25	74	402	561	963	5284

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1965	1099	966	927	395	37	6		12	67	386	634	833	5362
1966	1304	960	720	470	288	30	1	5	106	438	678	992	5992
1967	939	1036	685	332	280	9	9	14	122	362	785	886	5459
1968	1178	1076	652	325	183	1	2	13	44	350	587	1025	5436
1969	1142	908	857	316	105	36			79	370	768	1136	5717
1970	1382	1011	865	310	105	20	10		44	256	639	889	5531
1971	1222	930	838	447	197	2			48	153	639	758	5234
1972	1087	1035	785	418	129	58	10	13	45	434	738	911	5663
1973	1036	942	468	447	211	1		7	36	235	573	958	4914
1974	972	931	628	346	163	41			151	363	586	902	5083
1975	936	853	826	548	126	32			124	292	481	903	5121
1976	1188	695	471	324	145			18	82	519	839	1210	5491
1977	1581	994	542	281	50	16		4	42	422	603	1106	5641
1978	1428	1382	942	404	212	14	1	2	38	403	573	887	6286
1979	1371	1253	644	479	175	6	4	13	62	329	621	882	5839
1980	1048	1112	809	420	116	29			42	400	707	997	5680
1981	1271	898	772	287	217	6	1	1	93	384	651	1056	5637
1982	1321	990	733	501	32	40	2	5	76	263	578	733	5274
1983	1061	836	662	486	232	31	3		89	283	558	1244	5485
1984	1258	797	1012	485	218	1			120	149	719	748	5507
1985	1303	1101	664	242	94	21			76	260	468	1211	5440
1986	1088	871	675	353	104			19	24	250	665	967	5016
1987	1102	819	648	425	99	2		3	39	503	493	863	4996
1988	1138	1050	699	407	93	27		2	44	514	615	978	5567
1989	814	976	623	399	231	11		3	86	324	659	1377	5503
1990	828	723	597	423	177	27	2	3					2780

MEAN	1116	939	735	396	150	18	1	5	72	313	643	991
SD	180.97	138.25	145.55	86.40	63.07	14.36	3.18	6.81	37.27	96.91	87.95	158.21

****SPL 30YR SUMMATION (1951 -1980)****

MEAN	1137	955	744	388	149	18	1	5	68	327	650	980
SD	168.64	155.10	137.92	82.47	65.69	14.58	2.95	6.76	34.66	90.80	84.43	145.90

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 745700

STATION NAME: WRIGHT PATTERSON AFB\DAYTON OH
LST TO UTC: + 5

PERIOD OF RECORD: JAN 39 - AUG 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1939				3	101	256	285	239	209	35			1128
1940		****		2	34	231	329	321	72	16			1005
1941				29	116	227	349	265	191	48			1225
1942				30	102	252	369	260	160	10	4		1187
1943				1	75	374	356	307	99	5			1217
1944				3	195	344	394	336	112	21	1		1406
1945			14	7	23	201	283	279	181	4	3		995
1946			3	5	20	208	307	143	112	25	3		826
1947				3	40	175	190	452	192	42			1094
1948			3	26	30	212	338	270	148				1027
1949			3		86	298	436	291	36	51			1201
1950	1				59	144	239	157	82	9	6		697
1951				23	80	223	320	283	87	52			1068
1952				10	39	351	410	276	103	9			1198
1953				2	86	300	339	300	139	22			1188
1954				41	40	310	355	273	189	76			1284
1955				14	83	115	438	396	160	12	3		1221
1956				9	94	258	287	287	75	10			1020
1957				56	71	236	334	289	121				1107
1958				6	42	110	301	247	102	11	6		825
1959				1	169	258	357	399	219	35			1438
1960				40	49	169	263	353	185	14			1073
1961				7	17	157	297	277	243	4	1		1003
1962				28	155	206	275	234	67	20			985
1963				15	28	188	263	160	71	23			748
1964				7	77	221	296	271	123	1			996

1965			2	138	204	254	254	156	3			1011
1966			1	16	205	341	198	56				817
1967		3	26	15	227	236	178	57	20			762
1968		3	2	23	287	361	320	100	34			1130
1969			7	93	175	364	283	103	12			1037
1970			24	134	189	280	254	219	21			1121
1971			1	28	324	276	233	165	24			1051
1972			7	61	118	309	252	115				862
1973		1	14	13	216	288	259	154	27			972
1974			17	65	121	285	246	32	3	2		771
1975			2	96	223	333	400	63	12	2		1131
1976		13	62	56	265	317	161	34	3			911
1977		9	33	229	214	413	284	181		2		1365
1978				48	213	248	233	182				924
1979			3	53	210	266	257	118	27			934
1980				76	178	406	367	165	8			1200
1981			13	28	241	311	240	107	3			943
1982				99	67	315	184	83	51	12	3	814
1983				11	219	416	358	174	11			1189
1984			12	38	319	270	334	105	18			1096
1985		2	39	84	147	319	275	203	26	5		1100
1986		2	18	123	276	429	257	206	31			1342
1987			3	178	317	417	333	151		5		1404
1988			3	73	249	436	383	90	4			1238
1989		7	10	59	211	368	244	108	23			1030
1990		18	24	14	208	272	195					731

MEAN	0	1	13	72	223	325	275	129	17	1	0
SD	.14	3.83	14.99	50.24	65.16	59.66	66.83	54.38	16.98	2.30	.42

****SPL 30YR SUMMATION (1951 -1980)****

MEAN	0	15	72	215	317	274	126	16	0
SD	2.88	16.82	50.90	61.08	53.08	62.64	57.16	17.03	1.31

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A W S CLIMATIC BRIEF MAY 91	STATION NAME: WRIGHT PATTERSON AFB DAYTON OH												FIELD ELEV: 825 FT		
	LATITUDE/LONGITUDE: 39 50 N 084 03 W												STATION MSC: 745700		
	HOURLY OBS POR: SEP 80 - AUG 90												CALL SIGN: KFFO		
	SUMMARY OF DAY POR: OCT 37-AUG 90												SUPERSEDES: AUG 85		
	HOURS SUMMARIZED: 0000 - 2300 LST														
	LST TO UTC: +05														
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
EXTRM MAX TEMP (F)	72	74	82	90	96	103	103	102	102	91	81	74	103	54	
MEAN MAX TEMP (F)	36	39	50	62	72	82	85	84	77	65	51	40	62	54	
MEAN TEMP (F)	28	31	41	52	62	71	75	73	67	55	43	33	53	54	
MEAN MIN TEMP (F)	21	23	32	41	52	61	65	63	56	44	35	25	43	54	
EXTRM MIN TEMP (F)	-18	-11	-4	18	26	38	45	40	28	20	1	-18	-18	54	
D/W TEMP GE 90 (F)	0	0	0	#	1	4	7	5	2	#	0	0	19	54	
D/W TEMP GE 80 (F)	0	0	1	2	8	19	25	23	13	3	#	0	94	54	
D/W TEMP LT 33 (F)	26	22	18	6	1	0	0	0	#	3	13	23	112	54	
D/W TEMP LT 10 (F)	6	4	1	0	0	0	0	0	0	0	1	3	15	54	
HEATING DEGREE DAYS	1116	939	735	396	150	18	1	5	72	313	643	991	5379	52	
COOLING DEGREE DAYS	#	0	1	13	72	223	325	275	129	17	1	#	1056	52	
MEAN DEWPOINT TEMP (F)	20	23	30	38	49	58	64	62	55	43	34	24	42	10	
MEAN WET BULB TEMP (F)	25	29	36	45	55	63	68	66	60	48	40	29	47	10	
99.95% WCPA (FT)	1400	1450	1450	1400	1200	1100	1050	1000	1100	1150	1400	1350	1300	10	
MEAN REL HUM 07 LST(%)	75.8	78.0	76.2	75.8	76.3	76.4	81.1	84.4	84.5	80.3	77.7	78.7	78.8	10	
MEAN REL HUM 13 LST(%)	65.5	64.8	56.8	53.2	54.3	53.3	56.4	56.8	55.8	56.3	64.5	69.0	58.9	10	
MAX 24HR PRECIP (IN)	3.83	2.55	3.44	2.43	3.87	4.67	3.66	5.29	2.68	3.77	3.26	1.70	5.29	54	
MAX PRECIP (IN)	8.86	5.32	9.99	7.52	12.34	10.93	9.06	10.18	6.11	6.09	10.06	5.50	52.40	54	
MEAN PRECIP (IN)	2.79	2.50	3.36	3.65	3.84	4.40	3.75	3.36	2.61	2.30	3.15	2.74	38.43	54	
MIN PRECIP (IN)	.19	.26	.57	.53	.66	.35	.46	.21	.15	.14	.80	.75	19.61	54	
D/W PRECIP GE .01 (IN)	12	11	12	13	12	11	10	9	8	9	11	12	130	54	
D/W PRECIP GT .50 (IN)	2	1	2	2	3	3	2	2	2	1	2	2	24	54	
MAX 24HR SNFL (IN)	9.0	10.4	8.9	2.8	.1	0	0	0	0	2.0	8.5	13.9	13.9	54	
MAX SNFL (IN)	34.1	16.3	15.9	6.1	.1	0	0	0	0	2.0	17.3	18.6	48.7	54	
MEAN SNFL (IN)	7.3	5.7	4.3	.5	0	0	0	0	0	.1	2.4	5.2	25.6	54	
D/W SNFL GE .1 (IN)	6	5	4	1	#	0	0	0	0	#	2	4	22	54	
D/W SNFL GE 1.5 (IN)	1	1	1	1	0	0	0	0	0	#	1	1	6	54	
MAX DLY SNO DEPTH (IN)	18	17	11	3	0	0	0	0	0	1	16	10	18	54	
PRVLNG WND DIR (DEG)	23-25	\$26-28	\$20-22	\$20-22	\$23-25	\$23-25	\$23-25	\$02-04	\$20-22	\$20-22	\$20-22	\$20-22	\$23-25	10	
MEAN WND SPD (KTS)	7	6	7	6	5	4	3	3	4	5	6	6	5	10	
MAX WND SPD (KTS)	64	85	76	58	68	66	56	70	57	56	59	56	85	54	
SKY COVER GT 5/10 (%)	71.2	72.3	67.2	61.6	61.6	54.3	49.3	48.8	47.8	57.8	69.0	75.2	61.3	10	
D/W THUNDERSTORMS	1	1	2	4	6	7	8	7	3	1	1	1	42	54	
D/W FOG (VSBY LT 7 MI)	14	13	13	12	13	14	17	19	17	16	13	14	175	54	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	35.2	33.9	25.1	15.0	11.9	7.0	9.0	6.3	8.3	19.8	28.6	38.2	19.9	10
	03 - 05	38.3	39.1	29.0	17.9	17.8	15.2	15.2	14.8	15.9	23.8	30.2	39.9	24.8	10
	06 - 08	39.7	40.7	30.6	23.0	24.5	20.8	23.3	30.9	26.3	30.5	33.8	42.6	30.6	10
	09 - 11	38.4	42.9	31.3	24.8	19.8	16.3	15.2	15.4	20.1	25.5	37.0	45.1	27.6	10
	12 - 14	38.2	41.0	29.7	20.7	17.1	13.3	12.0	9.4	13.7	22.6	35.6	41.9	24.6	10
	15 - 17	35.7	38.3	26.6	16.1	13.3	9.0	7.4	6.1	6.1	17.7	31.0	41.3	20.7	10
	18 - 20	33.0	34.6	23.7	12.6	9.1	4.6	5.2	4.3	6.0	16.0	30.0	38.9	18.2	10
	21 - 23	33.4	32.5	23.9	14.4	9.2	5.0	5.6	4.0	6.4	16.0	28.4	35.5	17.9	10
	ALL	36.5	37.9	27.5	18.1	15.4	11.4	11.6	11.4	12.9	21.5	31.8	40.4	23.0	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	18.4	21.4	12.5	8.6	7.7	4.8	6.8	5.1	5.2	12.5	16.0	19.6	11.5	10
	03 - 05	20.3	27.9	16.1	11.2	12.6	11.0	12.8	12.4	12.1	17.6	17.8	21.4	16.1	10
	06 - 08	22.0	27.8	19.2	15.2	19.4	16.7	20.4	28.2	21.3	21.2	22.3	24.9	21.5	10
	09 - 11	22.4	30.4	18.5	11.7	11.7	7.7	8.0	9.4	11.2	17.1	24.8	26.8	16.6	10
	12 - 14	17.5	21.7	13.5	6.9	6.9	3.6	5.2	3.9	5.0	12.8	19.2	22.2	11.5	10
	15 - 17	14.1	20.9	10.4	3.2	6.0	2.3	3.4	2.3	2.0	9.2	14.3	19.2	8.9	10
	18 - 20	12.7	16.4	11.2	5.1	4.9	1.6	3.4	1.2	2.0	8.2	13.6	19.8	8.3	10
	21 - 23	15.2	17.3	12.7	6.4	5.2	2.4	3.9	2.2	2.4	9.0	15.0	19.6	9.3	10
	ALL	17.8	23.0	14.3	8.5	9.3	6.2	8.0	8.1	7.7	13.5	17.9	21.7	12.9	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	11.0	15.0	8.4	3.8	4.4	3.1	3.1	1.7	2.8	7.4	9.8	13.2	7.0	10
	03 - 05	11.2	17.3	10.4	5.3	7.2	5.6	5.4	5.2	7.2	11.6	10.0	13.7	9.2	10
	06 - 08	11.7	18.7	12.3	7.0	9.1	6.6	10.2	14.2	11.0	14.8	13.0	16.5	12.1	10
	09 - 11	12.3	18.4	11.2	5.4	6.1	2.9	4.0	3.3	6.1	10.9	13.2	18.1	9.3	10
	12 - 14	9.1	13.1	7.1	2.4	3.1	1.4	1.5	1.1	1.7	5.8	9.3	14.7	5.9	10
	15 - 17	8.0	13.7	5.4	1.2	2.3	1.4	1.3	.5	.7	4.2	7.3	11.7	4.8	10
	18 - 20	7.8	13.0	5.7	1.6	2.0	.8	1.2	.4	.8	4.2	8.1	11.4	4.7	10
	21 - 23	9.6	12.5	7.7	2.8	2.6	.8	1.6	.4	1.2	4.8	9.6	12.9	5.5	10
	ALL	10.1	15.2	8.5	3.7	4.6	2.8	3.5	3.4	3.9	8.0	10.0	14.0	7.3	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	.1	1.4	.1	.0	.1	.4	.2	.2	.1	.6	.6	.8	.4	10
	03 - 05	.2	3.1	.3	.6	1.0	.8	.6	.5	1.3	1.4	.4	.9	.9	10
	06 - 08	.1	3.1	1.3	.4	.1	.7	.2	1.0	1.3	2.0	.6	1.0	1.0	10
	09 - 11	.3	1.7	.5	.0	.0	.0	.0	.1	.1	.3	.7	.9	.4	10
	12 - 14	.3	.5	.1	.0	.0	.2	.0	.0	.0	.0	.3	.8	.2	10
	15 - 17	.2	.2	.2	.0	.0	.1	.0	.0	.0	.0	.1	.2	.1	10
	18 - 20	.4	.8	.1	.1	.0	.0	.0	.1	.0	.0	.0	.1	.1	10
	21 - 23	.4	.4	.2	.1	.0	.0	.1	.0	.0	.0	.3	.9	.2	10
	ALL	.3	1.4	.4	.2	.1	.3	.1	.2	.4	.6	.4	.7	.4	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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